FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1642.—Vol. XXXVII.

LONDON, SATURDAY, FEBRUARY 9, 1867.

STAMPEDSIXPENCE. UNSTAMPED..FIVEPENCE.

Mining Exchange, London.

MINING EXCHANGE, LONDON.—As the rules of the Mining Exchange PROHIBIT all its MEMBERS from ADVERTISING MINING SHARES at FIXED PRICES, the Committee feel it their duty to notify that they have no means of offering redress to such of the public as may deal with those advertising shares at fixed prices.

A List of the Members can be had on application to the Secretary.

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINCH LANE, CORNHILL.

(Established 23 years.)

Mr. Crofts having devoted his attention to the position of a large number of mines which have recently emerged from almost total forgetfulness into favourable notice, refers to his remarks on p. 84, in this week's Journal, in reference to a selection he has made of such mines, of which the following is a list, and confidently recommends purchases without delay:—

Prince of Wales.

Marke Valley.

Kitty (St. Agnes).

Kitty (St. Agnes).

Koreat North Downs.

Koreat North Downs.

Koreat Wheal Fortune.

Great Wheal Fortune.

Great Wheal Fortune.

Great Wheal Fortune.

Kosewarne United.

Frank Mills.

Stray Park.

South Great Wheal Great South Chiverton.

Wheal Grenville.

South Grenville.

Bankers: National Bank of Scotland, Finch-lane.

Bankors: National Bank of Scotland, Finch-lane.

VI L L I A M L A N E (SUCCESSOR TO JAMES LANE),
44. THREADNEEDLE STREET, LONDON, E.C., STOCK AND
HAREDEALER (Established Thirty Years), has FOR SALE the following
HARES:—
50 Bottle Hill, 4s. 9d.,
50 Carlobeck Fells, 15s.
50 Carn Camborne, 2s9d
60 Crebor, 11s. 3d.,
10 Chiv. Moor, £e'4,
5 Copper Hill, 22s. 6d.
50 Fronthon (Gold), 6s 3d.
50 Drake Walls, 23s. 9d.
50 Dro Pedro d. Rey, 23s.
50 Drake Walls, 23s.
50 Drake Walls, 23s.
50 Drake Walls, 23s.
50 Great Laxey, £16'g.
50 East Cara don.
15 Great Laxey, £16'g.
50 Fronthon (Gold), 6s 3d.
50 Fronthon (Gold), 6s 3d.
50 Fronthon (Gold), 6s 3d.
50 Fronte Of Walls, 23s.
50 Great Caradon.
15 Great Laxey, £16'g.
50 Great Retailack, 49s.
50 Gwydyr Park, 1s. 3d.
50 West Wh. Kitty, 7s.
50 Gwydyr Park, 1s. 3d.
50 West Wh. Kitty, 7s.
50 Gwydyr Park, 1s. 3d.
50 West Wh. Kitty, 7s.
50 Gwydyr Park, 1s. 3d.
50 West Wh. Kitty, 7s.
50 Gwydyr Park, 1s. 3d.
50 Fronthon (Gold), 6s 3d.
50 Gwydyr Park, 1s. 3d.
50 Gwydyr Park,

R. LELEAN, ENGLISH AND FOREIGN STOCK AND SHAREDEALER.

11, ROYAL EXCHANGE, LONDON, E.C.
Bankers: Robarts, Lubbock, and Co., Lombard-street.

UIDE TO INVESTORS.—MR. LELEAN'S STOCK, SHARE,
AND FINANCE REGISTER for February contains the seventh of a series
articles on the whole circle of Investments, and an analysis of the accounts
all the Joint-Stock Banks and Finance Companies; with such information as
necessary to guide intending investors amidst the shoals and quicksands of
e multifarious species of investments that now present themselves.
Published by Mr. Baken Lelean, at his offices, 11, Royal Exchange, London,
C. 6d. per copy, or 5s. annually, post free.

OHN RISLEY, 32, LOMBARD STREET, and MININ EXCHANGE, LONDON, E.C., has SPECIAL BUSINESS In East Go c, Wheal Buller, and West Caradon shares.

Mr. THOMAS THOMPSON, MINING OFFICES, 12, OLD JEWRY CHAMBERS, LONDON, E.C.
Mr. THOMPSON's official connection with Great Laxey having ceased, and as a local containtly receiving the most reliable information about the mines, the local strongly advise his friends to consult him before operating.
Mr. THOMPSON strongly recommends the immediate purchase of Westminster.

REAT LAXEY MINING COMPANY (LIMITED).-CAUTION.—The attention of the directors of this company having been dt oan advertisement of Mr. Thomas Thompson in the Journal, evidently ished with an intention to injure the company, notice is hereby given, that THOMAS THOMPSON has been DISMISSED from his SITUATION as IDON SECRETARY of GREAT LAXEY, and the public are CAUTIONED hat ACCEPTING any INFORMATION from him relative to the affairs of company.

GEO. W. DUMBELL, Chairman of Directory. company. le of Man, February 5, 1867.

EORGE RICE, STOCK AND SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange), cars' experience), TRANSACTS BUSINESS in MINING SHARES, at close

Latest quotations.

| Latest quotations | Fry Gwing | Latest quotations | Latest quotations | Fry Gwing | Latest Grand | Fry Gwing | Fry Gwing | Latest Qwing | Fry Gwing | Fry Gwing

R. JAMES HUME, 74, OLD BROAD STREET, and MINING EXCHANGE.
TRANSACTS BUSINESS In ALL DESCRIPTIONS of MINE ECLAL BUSINESS In East Russell, East Lovell, Great Retailack, Great a Tolgus, Kitty (St. Agres), Prince of Wales, Redmoor, East Carn Brea, Carn Cook's Kitoben, North Crofty, Bottle Hill, South Condurrow, Chontales Pestarena Gold, &c.

Mr. T. Hume's "Circular" of the Loudon Joint Stock Bank.

Mr. T. Hume's "Circular" forwarded on application.

VALTER TREGELLAS, 122, BISHOPSGATE STREET WITHIN, E.C., DEALS in ALL KINDS of bona fide STOCKS and ARES, and BRITISH and FOREIGN MINES, either for cash or the fort-htly settlement at close prices.

S, and BRITISH and FOREIGN MINES, MINES, settlement at close prices, mends the purchase of Don Pedro North del Rey, Anglo-Brazilian, East, South Crofty, West Frances, West Tolgus, East Gunnislake, Chiverton amborne Vean, Emily Henrietta, and Westminster.

Bankers: Alliance Bank,

Bankers: Alliance Bank,

M. R. GEORGE BUDGE, No. 4, ROYAL EXCHANGE
BUILDINGS, LONDON, E.C. (Established 19 years), has FOB SALE at
left prices:—50 Pendeen, 14s.; 2 West Sharp Tor. £8; 100 Dale; 2s.; 100 West
Wheal Kitty, 7s. 6d.; 2 Buller, £2s; 25 Wheal Kitty (St. Agnes), £34; 2 West
Sharp Tor. £8; 100 Dale; 2s.; 100 Pender Riverton, £65; 100 Hallenbeagle, 12s. 3d.; 7 Craddock Moor, 15s.; 15 Penderran,
5. 6d.; 70 East Seton, 6s.; 100 Pentarena, £1 18s. 3d.; 80 Prince of Wales; 50
Freat South Toligus, 29s.; 150 Anglo-Brazilian, 11s.; 70 Don Pedro; 2 Minera;
100 Bottle Hill, 4s. 9d.; 120 North Dolcoath; 80 Lady Bertha, 3s.; 100 Minerai
11ghts, 9s.; 100 Hollybush (£3 paid), £2/\$; 50 Crebor, 10s.; 35 Great North
Downs, £3 17s. 6d.; 50 East Rosewarne, 20s.; 1 Devon Great Consols, £42\$; 30
Wheal Seton, £107½; 120 Gwydyr Park, 1s.; 9d.; 70 South Grenville, 11s.; 60
United Mexican; 20 East Carn Brea, £3/\$; 10 Marke Valley; 40 Wheal Uny;
10 Macs-y-safn, £19; 10 East Russell; 20 South Callington, £13/\$; 50 Wheal Agar.

PROSPER UNITED MINE,—PETER WATSON'S
"WEEKLY MINING CIRCULAR AND SHARE LIST" of yesterday
(Friday), Feb. 8, No. 410, Vol. IX., contains a SPECIAL REPORT on Prosper
United Mine.

DETER WATSON'S "WEEKLY MINING CIRCULAR AND DETER WATSON'S "WEEKLY MINING CIRCULAR AND
SHARE LIST—SYNOPSIS OF CORNISH AND DEVON MINES," of
speltcation, contains a leading article on the Share
markiculars respecting the following mines:
North Wheat Crofty.
West Caradon.
Drake Walls.

Wheat Seton.
East Wheal Russell.
Stray Park.
Wheat Seton.
Brittany Silver-Lead
Mining Co. (Limited)
Peter Watson, Stock and Sharedealer, 79, Old Broad-street, London/Ecc.

CTOCK AND SHAREDEALER.—MR. PETER WATSON, ENGLISH and FOREIGN STOCK, SHARE, and MINING OFFICES, 79, OLD BROAD STREET, LONDON, E.C. Railway, Joint-Stock Banks, Dock, Insurance, Canal, Mining, Steam-ship, &c., and every other description of shares bought and sold at nett prices.

TELEGRAPHIC MESSAGES to BUY or SELL Railway, Bank, Mine, and other shares and stocks, punctually attended to, at nett prices for cash, or for fortnightly settlements, with advice as to purchases or sales.

Twenty-two years' experien (Two in Cornwall and Twenty in London.)

Bankers: The Alliance Bank, and the Union Bank of London.

From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, PETER WATSON is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality, and to the best advantage of his clients.

M. R. EDWARD COOKE, STOCK AND SHAREDEALER,
Has SPECIAL BUSINESS in Chontales, Prince of Wales, East Lovell, Frank
Mills, South Darren, West Caradon, Prosper United, and North Crotty.
Stock Exchange securities dealt in at close market prices.
Satisfactory references given in any town in the United Kingdom.

M. C. A. POWELL, SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange). Purchases or sales effected at nett prices, for prompt cash or account. Clients treated with in all cases at a fair margin on the market price.

Mr. C. A. POWELL is prepared to BUY or SELL shares in any mines currently dealt in, and devotes especial attention to those prominently before the public. Bally Price List on application.

Bankers: Bank of England.

MR. WILLIAM SEWARD, STOCK AND SHAREDEALER, 19, THROGMORTON STREET, LONDON, E.C.

. W I L L I A M W A STOCK AND SHAREDEALER, No. 29, THREADNEEDLE STREET, LONDON, E.C. W A \mathbf{M}

Messrs. WARD and JACKMAN refer their friends to their remarks on p. 35 respecting many of the above mines.

Bankers: London and Westminster, Lothbury.

M. R. EDWARD BREWIS recommends as a safe and rising property East Bottle Hill Tin and Copper Mine, selling at 4s. to 6s. per share; decidedly the cheapest share in the market at present. Regular sales of tin will be made shortly, and the shares will go to their value.

No. 8, Warnford-court, Bank, E.C., London.

JAMES D. GENN AND CO., STOCK AND SHAREDEALERS, 3. CROWN COURT, THREADNEEDLE STREET, LONDON, E.C. WHEAT SETON.—These shares will continue to pay about 20 per cent. "at the present price," even without any further improvement in the mine. We have had the mine inspected this week by Capt. Charles Thomas, manager of Dolooath and West Seton. A copy of whose report we will forward to anyone on receipt of £1 is. We advise shareholders not to part with their shares at present price, £110 and £115, but rather buy more.

BARTLETT AND CHAPMAN, STOCK AND SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C. Business transacted in every description of stocks and shares at lowest market prices, free of commission.

All communications will receive immediate attention, either personally or by letter.

stter.

N.B.—Lovell Consols: Intending investors should not delay purchasing at resent low prices, £3 to £3½. See report in this day's Journal from the manager, WEST MARIA AND FORTESCUE.—An OFFER WANTED for 25 shares.

GREAT SOUTH CHIVERTON MINE.-BARTLETT AND CHEAT SOUTH CHIVERTON MINE.—BARTLETT AND CHAPMAN recommend the PURCHASE of these SHARES for PERMANENT HOLDING. Frora recent indications there is not the least doubt but that a good paying lode will be met with in a short time. The sett joins West Chiverton to the north, Wheal Chiverton to the east, South Chiverton to the south, and Chiverton Moor to the west. The lodes are parallel to those of West Chiverton. £100 or £200 invested in this property cannot fail to prove highly remunerative. Samples of the ore from the 20 fm. level can be seen at the office, and should be inspected by all intending purchasers.

Further particulars, with plans of the district, can be obtained on application to Bartlett and Chapsian, No. 2, Bucklersbury, London, E.C.

| R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 12 years), has 50 Caldbeck Fells, 148 3d. 40 Lady Bertha, 3s. 3d. 50 No. Dolcoath, 4s. 3d. 50 No. Tolgas, 18s. 50 No. Conductor, £0 No. 40 North Conductor, £0 No. 10 No. 46 No. 10 No. 10

MR. R. EM' & RSON, 28, GREAT WINCHESTER STREET, LONDON, E.C., has the FOLLOWING SHARES FOR SALE at nett prices:—50 Dale, 28, 6d.; 50 North Dolcoath, 6s, 6d.; 100 East Bottle Hill, 5s.; 10 Leeds and S', Aubyn, £5; 20 Wheal Agar, 25s.; 3 Carn Brea, £18; 100 Central Snailbeach, 28, 6d.; and a BUYER of 50 Westminster, 50 Great Laxey, 100 West St. IV 28, 100 Wheal Alice Alfred, and 100 Budnick Consols. My nun' errous cilents desirous to be furnished with more detailed information than ea', a be well supplied in my advertisement, i have resolved on issuing a Ctroul ar, containing valuable information, commencing with this month, which will 36 forwarded to them daily at their request. I will also furnish any other per 3601 with a Circular on receipt of six postage stamps.

Advice given on the sale and purchase of shares.

Eighteen years' experience in Cornwall and thirteen in London,

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, AGREAT ST. HELEN'S, LONDON, E.C.

NORTH POOL MINE.—MR. CHARLES THOMAS has a NUMBER OF SHARES FOR SALE, for which no reasonable offer will be refused.—3, Great St. Heien's, London, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDBALER, UNION CHAMBERS, UNION COURT, OLD BROAD STREET, LONDON, E.C.

MESSRS, LANE AND GIBBS, 2, ROYAL EXCHANGE LONDON, E.C. (Members of the Mining Exchange), STOCK AND SHAREDEALERS, AND FINANCIAL AGENTS, transact business in all kinds of securities at closest nett prices for cash or account.

Parties of respectability can have transfers registered in their names previous to payment.

Bankers: London and County Bank.

MR. JOHN BATTERS, STOCK AND MINING 3/

MESSRS. McNEILL AND LONG, STOCK, SHARE, AND MINING DEALERS, 51, THREADNEEDLE STREET, LONDON, E.C.

MESSRS. WILSON, WARD, AND CO., STOCK AND SHAREDEALERS, 16, UNION COURT, OLD BROAD STREET, LONDON, E.C. Can recommend two good mines for investment.

MR. JOHN LITTLE, STOCK AND SHARE DEALER, 77, OLD BROAD STREET, LONDON, E.C. (late of Redruth). Immediate attention to orders by telegraph or letter. Prompt cash settlements.

MATTHEW GREENE, STOCK AND SHAREDEALER, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C. NEW CLIPFORD.—This mine is looking unsually promising. Captain James Barrett has just inspected the mine, and his report will appear in the Mining Journal next week.

SAFE INVESTMENTS FOR CAPITAL, Paying 5 to 20 per cent. per annum upon the outlay.
SHAREHOLDERS, CAPITALISTS, TRUSTEES, and INVESTORS
seeking valuable and reliable information, and requiring safe, sound, and
fitable investments, should at all times consult

SHARP'S GENERAL INVESTMENT CIRCULAR
(Post free).

It is a safe guide, giving every information to shareholders and capitalists.
GRANVILLE SHARP, STOCK & SHAREDEALER, 32, POULTRY, LONDON.

NANGILES AND EAST CHIVERTON MINES.—WANTED TO PURCHASE a FEW SHARES in these two mines. Sellers will please state number and lowest price for cash to GRANVILLE SHARP, No. 32, Poultry, London, E.C.

M R. JOHN B. R. FYN OLDS,
OFFICES, 70 and 71, BISHOPSGATE STREET WITHIN,
Business transacted in British and Foreign Stocks, Railway, Bank, Insurance,
Financial, or Mining Companies Shares, and all Miscellaneous Securities, at the
owest market contactions

Financial, or Mining Companies Shares, and Shares not generally marketable, lowest market quotations.

Exchanges effected and purchasers found for shares not generally marketable.

Exchanges effected and purchasers found for shares not generally marketable.

Exchanges effected and purchasers for the West Wheal Kitty shares.

Scillers please state number and lowest price.

Mr. REYNOLDS refers to his letter, on p. 85.

Telegrams promptly attended to. Established Ten Years.

Bankers: City Bank.

MR. J. B. REYNOLDS'S CIRCULAR FOR FEBRUARY
AND MARCH.—In consequence of the mass of information which has
to be accumulated before this Circular can be completed, notice is hereby given
that the publication will not take place before the 20th inst. In the meantime,
applications will be received, and should be promptly sent to Mr. J. B. REYNOLDS,
70 and 71, Bishopsgate-street, London, E.C.—February 3, 1867.

MR. T. ROSEWARNE, 81, OLD BROAD STREET,
has BUSINESS, at close market prices, as BUYER or SELLER, in—
Bedford United.
North Roskear.
North Crofty,
East Russell.
North Treskerby.
Wheal Seton.
East Gardon.
Gast Lovell.
East Caradon.
Great Yor.
West Caradon.
Great Yor.
Gawton.
Princess of Wales.
South Frances.
South Grenville.
North Retailack.
Princes of Wales.
South Grenville.
North Retailack.
Great North Downs.
Tincroft.
South Herodsfoot.
South Herodsfoot.

South Grenville. North Retallack. Great North Downs.

Dale. Great South Chiverton. South Herodsfoot.

An OFFER WANTED for Lady Bertha, Old Gunnislake, Gwydr Park, Pencen, and St. Day United.

Parties desirous of investing in mining should consult T. ROSEWARNE, as great deal of money is to be made in several of the above mines.

Money advanced on mining shares.

Bankers: Bank of England and Consolidated.

MR. G. D. SANDY, STOCK AND SHARE DEALER,
No. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS IN EVERY DESCRIPTION OF STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices.
Mr. G. D. SANDY recommends the immediate purchase of New Tamar, and
Lovell Consols, as a rapid advance in price is certain to take place early

this year.

Mr. G. D. SANDY'S Circular for the present month, is now ready, and should be perused by all interested in mining enterprise. Gratis, post free.

Correct Daily Price List may be had on application.

Money advanced to any amount on legitimate stocks and shares.

References exchanged.

FOR SALE,—NINE SOUTH HERODSFOOT SHARES, at £4 10s. (680ths). The Herodsfoot lode, rich in silver close up to the boundary of this sett, will be reached in a week or two in the 86 fathom level.—(Address, "K. W.," at Wavish Brothers, Newman's-court, Cornhill.

TO BE SOLD, BY FRIVATE CONTRACT, FIFTY SHARES
in the HOLYWELL LEVEL MINING COMPANY, and ALL INTEREST
in respect thereof in the HOLYWELL LEVEL LEAD MINING COMPANY
(LIMITED).—Applications, stating price offered for same, to be sent to CHARLES
TURNER, Esq., official assignee, South Castle-street; or Mr. Tyndall, solidior, (LIMITED).—Applications, stating price offered for same, to be sent to GHARLES TURNER, Esq., official assignee, South Castle-street; or Mr. Tyndall, solicitor, 8, North John-street, Liverpool, on or before the 6th day of February inst.

TO BE SOLD, cheap, a PORTABLE ENGINE of 14 horse power, double cylinder, of first-class construction, workmanship, and material. Winding gear to order. SECOND-HAND PORTABLES FOR SALE. power, double cylinder, of first-class construction, workmanship, naterial. Winding gear to order. SECOND-HAND PORTABLES FOR SA-Apply to Messrs. BARROWS and CARMICHAEL, engineers, Banbury, Oxon.

RAILWAY WAGONS.—TO BE SOLD, TWENTY RAILWAY WAGONS, in good working order some of the wagons of the sold of the sol MAGONS, in good working order, some of them just hands, built by Mr. S. J. Claye, Long Eaton. Apply to Mr, R. HARVEY, Little Eaton, near Derby. Can be delivered at once.

M ESSRS. DEBENHAM AND CO., cand at ST. ALBANS).

TRANSACT BUSINESS in every description of STOCK EXCHANGE SECU-RITIES, MINING and MISCELLANEOUS SHARES, at close market prices. FOR SALE:—60 Frontino and Bolivia, 75 Prince of Wales, 10 North Roskear, 20 Bryn Gwlog, 10 Wheal Vor, 20 East Russell, 100 New Quebrada.

BUYERS of Worthing and West Caradon.

MR. JOHN HOSKING, MINING ENGINEER, (Late of Ashburton, Devon).

Mr. HOSEING, having had 20 years' practical experience, OFFERS HIS SERVICES as MINE SURVEYOR, VALUER of MINING MACHINERY, or to INSPECT any MINING PROPERTY, either at home or abroad. Terms on application.—14, Liverpool-street, London, E.C.

Original Cornespondence.

IMPROVEMENTS IN WORKING THE BARNSLEY COAL.

IMPROVEMENTS IN WORKING THE BARNSLEY COAL.

SIR,—I find, on reading the evidence given at the Oaks Colliery coroner's inquest, the question asked—"Can you suggest a mode of working the Barnsley seam of coal in such a way as to avoid having gas in the goafs?" I venture to throw out a suggestion that would, in my opinion, very much obviate such consequences. The mode of working the coal I should recommend would be thus—Sink the pits or shafts, in the first instance, in such part of the estate as to be in the deep of the mine; then drive out all necessary roads and airways in the solid coal to the crop side of the estate as far as the coal is intended to be worked. Then at such extremity sink one or two airshafts, such as the case might be thought to require, according to the area of level intended to be worked out; and then commence to work the level down hill towards the winding-shafts, and make all necessary airways to the upcast shaft, at the crop side of the estate. The faces of the mine would always be descending as the slices of coal are worked off, and the passages to the upcast shaft would be up an incline, and, by the law of specific gravity, the hydrogen gas would ascend to the higher regions, and so escape up the upcast shaft, and would drain out of the mine if passages were provided for its escape. No men would be required to work in the return air, except such as were wanted to keep the return air passages in proper order. Where the seam of coal is free from water there could be no great difficulty in working the coal down hill. It would, I am aware, cause a longer time to elapse before being able to win a great quantity of coal after the winding-shafts are sunk; but I suppose the perfect safety of the men is before such a consideration as that. I think all men ought to make the best suggestions they can to avoid such awful calamities as have happened in Yorkshire, and this is my reason for writing this letter, and which I hope to see followed by others.

John Wardlef, Mining Engineer.

Codnor Park Ironworks, near Alfreton.

WATER-WORKS AT HARROW-BORING-MACHINE.

SIR,- Referring to the completion of a well at Harrow-on-the-Hill. sunk for the Water-Works Company, reported in last week's Journal, allow me to call attention to a novelty in the boring for the same. The depth of 200 ft in the chalk, with a bore of 15 in diameter, was The depth of 200 ft. In the chairs, with a bore of 15 in. diameter, was accomplished in the short space of six weeks, working days only. The power employed was steam, working a machine designed by Mr. Edward Preece, which was able to give 36 blows per minute of the chisel, with a fall of about 3 ft. Beds of flint were passed through varying from 4 to 12 in. thick, and generally at intervals of 18 to 24 in. apart. At the depth of 193 ft. in the bore, one bed of very hard flint, nearly 6 ft. in thickness, occupied two weeks out of the six to get through it. — Ft.b. 6. through it .- Feb. 6. HARROWENSIS.

ON AMALGAMATION WITH SODIUM.

SIR,—It is now a considerable time since a paragraph in your much-esteemed Journal attracted my attention, in which the ground was taken that sodium produces "no beneficial results until it is oxidised and becomes soda, and is dissolved in the water of the pan;" the said paragraph having emanated from a writer in the Mining Press of San Francisco, of April 21, 1866. The fallacy here involved was briefly refuted by me in my paper "On Amalgamation with Sodium," briefly refuted by me in my paper "On Amalgamation with Sodium," read to the American Association at Buffalo, which you published in the Mining Journal of Nov. 24. The vitality of an error, however, so long as it endures, is sometimes surprisingly great, and its mischievous career very rapid—in this case the mischieflying in the distraction of many interested in mining from a new scientific principle, whose adoption promises substantial progress, to an ignis fatuus which will surely lure them back into empirical darkness. This particular error, engendered on the shores of the Pacific, has been borne by the trade winds around the world (having appeared, as I find, in Australia before reaching you), and has just commenced going the rounds of our newspapers in the Atlantic States. While it is on its tour back to its "native shore," doubtless to reappear there in new forms, let me take the liberty to stir up Madame Truth from where she rests, as is her wont, severely tranquil, at the bottom of her well, and produce her again before your readers. The few lines referred to, as devoted to this subject in my Buffalo paper, were:—

"Another Californian writer has thrown out the suggestion that the difficulty

ferred to, as devoted to this subject in my Buffalo paper, were:—

"Another Californian writer has thrown out the suggestion that the difficulty of enfilming the particles of gold with quicksilver is due to strongly adherent films of air; and having observed, he says, that certain metallic powders are more easily wetted by water when the latter contains a caustic alkali, he imagines some obscure analogy between this case and the enfiming of gold by quicksilver, and then reasons therefrom that the virtues of the sodium must be wholly attributable to the caustic soda formed by its oxidation, and that the latter may be substituted for it. Had he made experiments on some native gold before making his hypothesis the latter would, probably, have never been made. The air-film idea occurred to me early in my investigations; but, finding that under aicohol, and in cacao, the refractory gold did not amalgamate better, labandoned it. I may add the effect of sodium is the same when no water is present at all.'.

I shall now add a remark or two more, hoping I shall thereby leave this individual of the "hydra-headed" species but few or none of its many lives. The use of caustic alkalies, such as soda or potash, has been familiar to millmen almost from time immemorial: therefore, being among the innumerable nostrams which all of them have at one time or another tried in cases of difficulty in amalgamating the precious metals, or when their quicksilver has become floured or "sick," as some term it. So far, however, is their use from being attended with the beneficial effects of metallic Sodium, that they have frequently been found to aggravate the obstacles met with. In point of fact one of the objections to Sodium, that frequently been found to a gravate the obstacles met with. In point of fact, one of the objections to Sodium urged here by intelligent millmen, of some chemical knowledge, is its necessary conversion, sooner or later, into caustic soda, the injurious effects of which they are familiar with; and I have had occasion several times to meet the

some or later, into caustic soda, the injurious effects of which they are familiar with; and I have had occasion several times to meet this objection by showing that the quantity of caustic soda thus formed is much too small to cause appreciable effect.

It is also so far from correct that "the Sodium produces no beneficial results until it becomes soda," that another objection made by some who have used it without any previous instruction from me as to the proper mode of use has been that it is too soon converted into caustic soda, thus entirely losing its beneficial effects. As to the familiar phenomenon cited of the metallic or bronze powder floating in water caused to sink by an alkali, most chemists, Iopine, in the absence of proof to the contrary, would attribute the effect of the alkali to the removal of films of grease which caused the repulsion, from whence the flotant condition. The occasional benefit found from the use of alkalies in gold amalgamation may, no doubt, be usually attributed to similar detergent actions.

Henry Wurtz.

Broadway, New York, Jan. 25.

IMPROVED PNEUMATIC STAMP.

SIR,-Last Saturday's Journal contained a lengthy description of

SIR,—Last Saturday's Journal contained a lengthy description of Childs' Pneumatic Stamp, and also an account of the work done by one erected at the Golconda Gold Mines—a two-head improved stamp, crushing 5 tons of quartz per day, and increasing the yield of gold per ton from \$6\$ on the old method to \$32 on the new.

When an inventor introduces any new invention, for any purpose whatever, he should be very careful to test the same against a machine of the most improved principle then known, but this Mr. Childs evidently has not done. If he will take the trouble to look over the published reports of the Port Phillip and Colonial Gold Mining Company he will find that, with good Cornish stamps, with square heads, they crush on an average about 4 tons of quartz per head per day, or 48 tons for a 12-head battery, against 5 tons for the pneumatic stamps; and that during the past two years, with an average produce of gold obtained of about 7 dwts. per ton of quartz crushed, the average loss was only about 2 dwts, per ton, a great part of which gold is recovered by an after process. Now, before the Golconda Company go to the expense of erecting any more of the so-called improved stamps, I would advise them to call in a good Cornish engineer, to put the stamps they ndvise them to call in a good Cornish engineer, to put the stamps they advise them to call in a good cornish engineer, to put the stam have already erected into good working order, and get a pe experience to take charge of their reduction works, who will them to extract the gold from their quartz with little, if any, loss.

Round stamp-heads, caused to rotate at each blow, have been tried

in this country 20 years ago, and were discarded, being not equal to the square heads in general use. Perhaps Mr. Childs will explain how

the blowing down of the stamp-head is any saving, as it will require the same power to lift it at each blow. The work done by any ma-chine is the same as the work applied, minus friction and the resist-ance of the air.—Cornwall, Fib. 6.

ON THE INVESTMENT OF CAPITAL IN MINING.

ON THE INVESTMENT OF CAPITAL IN MINING.

SIR,—In some recent communications I have called attention to investments in mining undertakings, and will now, with your permission, pursue the subject a little further. The reputation of this description of property has suffered from causes which should not exist, and which it is the duty of persons engaged in mining undertakings to remove or prevent, and of every intelligent person who wishes well to our commercial prosperity to point out. One of the chief of the causes of injury is that share jobbing has been by a large portion of the investing public confounded with bona fide investment. The fluctuations in price incidental to the former have been set to the account of mining itself; and it is still supposed by many, whose minds ought to be disabused of the prejudice, that mining undertakings are so peculiarly uncertain in their ultimate results and their progressive value, that no reliance can be placed at any time upon investments made in them. Another source of injury to the character of mining speculation has been the want of reasonable perseverance on the part of many investors. These persons forget that the mine must not only be opened but worked. The metal will not come to the surface of itself, any more than a ship will go to sea of itself—as certainly as the latter must be furnished, launched, and manned, must a mine be opened, provided with all operative appliances, and worked. If the metal be there, the work must be continued until it is drawn thence, and sent to market for the profit of the owners. Many investors have without consideration taken shares in a good prospective mine, and because it did not yield up its treasures before it was properly wrought, and as early as ignorance, impatience, or cupidity desired, they abandoned their shares, or sold them at a sacrifice; thus bringing what was really good into evil repute. Men of this description have gone about lamenting their losses in undertakings that were sound and sure, and even enormously profita their merits, and their character not be in the manus of bodis, or "bears," or share jobbers, or in the hands of restless, impatient, and unthinking investors, however honest their original purpose in investing. I hold, Sir, that there is more certainty that bona fide investors in mining undertakings will realise large profits than there is in connection with those of any other that are in the least degree speculative. And what business is not speculative, more or less? The manufacturer shiphilder, merchant, newspaper, proprietor, specularity. is in connection with those of any other that are in the least degree speculative. And what business is not speculative, more or less? The manufacturer, shipbuilder, merchant, newspaper proprietor speculates, from the necessity there is to do so in the nature of all business. Even the investor in Consols is a speculator, for should circumstances arise to compel him to sell, or should his investment be brought into the market at his decease, the price may be seriously more or less than the amount originally invested. The year 1866 has furnished investors generally with lessons of wisdom, which they will do well to consider. Dr. Benjamin Franklin is often lauded for the wisdom of his often-quoted sentence—"Experience keeps a dear school, and fools will learn in no other." It is much to be questioned whether fools will learn in any school; and if men profit by observing what passes in the experience of others, the school in which such a student studies is, after all, tolerably cheap.

All observing persons must see in the events which followed the course of 1866 much to render permanent instruction as to mining investments. Those who dabbled in shares have ruinously paid for their folly—those who invested in the actual work of mining have preserved and increased their property. It is not necessary to go over again the ground travelled in a previous letter, showing the gambling process, and individual wreeks, in connection with share jobbing. Prices were run up or down as the "bulls" or "bears" forced them, when the integral value of the properties represented at all by the shares; hundreds of shares were converted into thousands, and thousands into tens of thousands in the share market. Neither are the property and not represented at all by the shares; hundreds of shares were converted into thousands, and thousands into tens of thousands in the share market. Neither are the property and not represented at all by the shares; hundreds of shares were converted into thousands, and thousands into tens of thousands in t

thousands into tens of thousands in the share market. Neither are the most valuable properties always chosen to be shoved up and down the most valuable properties always chosen to be shoved up and down on the share market sliding scale; so that, in fact, the nominal values of shares are no indices to the real worth of the property thus hawked and cried about. The past year has been remarkable as resulting in in a great increase in the value of bona fide undertakings. Since the present year commenced North Crofty, Margaret, West Frances, Cook's Kitchen, Wheal Basset, and Carn Brea have all advanced in value, because the work has progressed, and the benefit of solid and steady investment has been seen. I am of opinion that if capitalists will seek out good progressive mines such reasonable ventures will richly repay them. The advance in the value of mining shares shows every indication of continuing. The prices of tin and copper have much increased, and are still looking up. Our commerce has not been recently so active, and the manufacturers of the North have not been so busy, yet metals rose in price. Now spring is opening, quickening recently so active, and the manufacturers of the North have not been so busy, yet metals rose in price. Now spring is opening, quickening our physical and mental activity, and causing the pulse of trade also to beat faster. From various quarters there is a prospect that the articles created from the produce of our mines will be in request. The relative cost of working our tin mines, and those of their rivals in the Straits, has changed in favour of the former, and must change still more and more rapidly in the same direction. Money is now at a rate which will enable our manufacturers and merchants to operate, and this circumstance facilitates the working of our mines. The capitalist who lends his money to foreign Governments, who never pay, or who this circumstance facilitates the working of our mines. The capitalist who lends his money to foreign Governments, who never pay, or who defraud him by altering the terms of the bargain, may, if he chooses, find in our silver-lead, copper, and tin mines safe investment. In such cases results do not depend upon the caprice or need of a corrupt foreign court, or ambitious foreign minister; the money is invested at home. Science can pronounce upon the character of the project, and prosperity is visible and tangible. Remarks have been sometimes made as to the number of shares into which a mine should be divided; but it is immaterial whether the investor holds 5-5120ths or 25-1024ths—the property is the same, and the works, if properly con-25-1024ths—the property is the same, and the works, if properly conducted, should be the same, and in neither case can a proper estimate be placed upon its value before it is sufficiently developed.

Gresham House, London.

THOMAS SPARGO.

HOW TO TURN THE PRESENT CRISIS TO THE ADVANTAGE OF MINING.

HOW TO TURN THE PRESENT CRISIS TO THE ADVANTAGE OF MINING.

SIR,—In my letter in last week's Journal I confined myself to suggesting that the dissolution of the copper smelters' monopoly should be the signal for union among ore producers, of such strength as the influence of our leading miners and the vast importance of the subject would lead us to expect or demand. Of course, my remarks apply equally to unfair tyranny in the tin market. Surely there is power enough in our mining interest to form such a co-operative defence as can compete with and defy any such tyranny, if that interest will but assume its proper functions. The "unboly alliance" should have taught them that "union is strength" for good or evil, and they may rest assured that a well-cemented union for a Good cause must triumph over one for Evil., if it will but exercise the moral courage necessary to assert its power.

I alinded also to the fact of our being (as we hope) emerging from a time of dire depression—this, per se, is matter of congratulation; but let us not in our opening prosperity forget the powerful lessons which the late ordeal of distress ought to teach us. Mining has been severely tried as a remunerative investment, and people's thoughts have naturally turned to the comparative numbers of paying, self-supporting, and calling mines. Unfortunately, the limited number of dividend mines forces on them the question—"How much of the ore produced for the world's wants is supplied by mines which pay nothing, or at an actual serious cost to the adventurers?" Those who are interested in the well-being and, indeed, the maintenance of our mining industry, should turn the late lessons to account, by setting seriously to work to see if by better systems of economy, and other means, a large addition cannot be made to the Dividend List, and many that call be at once made self-supporting. Unfortunately, we have here another hitch. Who is interested? Of the many thousands who invest or speculate in mines how very few there are who trouble to see h

adventurers in each concern would only adopt this course, and make it their business, mine adventure would then lose its bad character as a gambling and risky affair, and would generally cease to be abused by those who lose their money, because they had not understood the property they had so carelessly adopted, and had entirely neglected it.

If mining, therefore, is to be conducted on a reformed basis, this is, I consider, the first step to be taken. When people once understand a little of the nature of mining they will begin to find it a very agreeable and interesting pastime, which will take them generally into a lovely country, and among a hearty, genial set of fellows, the majority of whom would second them in their endeavours to establish sound reforms—for they are acute enough to see that, unless some steps can be taken, the occupation which enables them to earn a living in their much-loved country will ere long have to be sought by banishment to distant lands, for home mining cannot exist without reform. I must postpone till next week a humble effort to offer a few general suggestions as to what the tendency of the reforms should be; and I hope that my suggestions will not fail dead, but will be quickly adopted by adventurers generally.

FREE TRADER. FREE TRADER.

MINERAL SHIPMENTS FROM ABERYSTWITH AND ABERDOVEY.

SIR,—I am desirons of ascertaining the names of the several lead mines situated up the Vale of Lianbaddarn, to the Devil's Bridge and to Hafod, and also in the neighbourhood of Machynileth—so that shipments could be made from the ports of Aberystwith or Aberdovey; and lead mines near Much Wenlock, on the Severn Valley Railway, not far from Shrewsbury. ARTHUR WARNER. 17, Lawrence Founhey-lane.

the ports of Aberystwith or Aberdovey; and lead mines near Much Wenlock, on the Severn Valley Rallway, not far from Shrewsbury.

17. Lawrence Fountney-lane.

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18. On the south bank of the Rheidol Valley the first and most westwardly mine is that of Troedrhiweelr (Vale of Rheidol), which very recently has resumed working. Eastward from this are the Abernant, Gothic, Cnwch-yr-Arlan, Fant Mawr, Liwybr Liwyng, Rhiwrygos (Rheidol United), and Genfron. A little south of these, on to the Devil's Bridge, are Blaen Gennant, Erw Tomen, Prignant, and Frongoch. On the north bank we have Tyliwyd, Bwa Drain, Trynfron, Gelly'r Eirin, Droegol, Nantees and Penrihw, and Cae Cynon (now Gianrheidol Mine). From the Devil's Bridge onwards towards Cwmystwith Mine and Pentrebriwmant are Bodeoli and North Hafod. The next we come to its the Great Cwmystwith Mine, and adjacent thereto and to Pentrebriwmat there are several small mines, worked principally by local capital, or by miners on their own account. Further west, down in the valley of the River Ystwyth, are situate the ancient mines of Grogwinion; and between Pontrhydygroes and Yspytty Ystwyth are a group of mines together, which, with the Frongoch, form the Lisburne Mines—i.e., Logaulas, Glogfach, Glogfawr, and Hafod Gau, &c. In the same locality, also, are situate the South Lisburne, Pontystwyth, Liwyny Mwn, Liwyn Liwyd, Bronberlian, Brynhope Mines, Liwyn Malys, Hendrefelen, and Bron Caradog. Several of these mines, which are now lying dormant, are capable of making good returns if worked judiciously, with a fair amount of capital, and would send (as those do now that are working) their produce to the nearest shipping port—i.e., Aberystwith. In Dyffryn Melindwr (a parallel valley morthward with the Rheidol Valley), we have Gwrda, Cefnecincoed, and the Great Goginan Mines. Eastward of these are Clara United, Ponterwyd, the Bog Mine, and several others whose names at present have escaped my memory. North of the Goginan there are a great many rich and va

CENTRAL SNAILBEACH, AND GREAT LAXEY AND SNAEFELL MINES.

SNAEFELL MINES.

SIR,—At the general meeting of Central Snailbeach, on Jan. 31, Mr. Noble took the opportunity to congratulate the directors on the great satisfaction and confidence they had given to absent shareholders by investing the surplus capital in Exchequer Bills. Several of the shareholders in Great Laxey, who were present, approved highly of the matter being brought under their notice, and asked why it was that the directors of Great Laxey and Snaefell Mines did not adopt a similar course, with a large amount of capital in their hands which cannot be required for a long time? This is a question the shareholders are becoming very anxious about; and well they may, when they take into consideration the reply given by the Chairmant to use of their body at the last Snaefell meeting, to the effect that it is no concern of the shareholders, but entirely the business of the directors. The amount of capital in cash for working Snaefell Mines was 19,0001, and although the monthly cost only averages about 1601, the whole of the large balance remains in the hands of the company's bankers, not the slightest attempt having been made to invest a single shilling of it, and in the last six months' accounts not a single penny is credited to the company on account of interest, although the cash balance at the bank was no less than 68914. 44s. 7d.

A SHAREHOLDER IN THE THREE MINES.

DYFNGWM MINE, AND ITS MANAGEMENT.

DYFNGWM MINE, AND ITS MANAGEMENT.

SIR,—"Ex-Officio," in his correspondence in the Journal, some few months since, relating to the management of this mine, informed his late co-directors that the washing of the ores was most imperfect; so also did Capt. John Paull, and so said Capts. Ridge and Ball, when they made their reports; but "Ex-Officio's" statement was at the time indignantly, nay even insultingly, denied by the late manager, which denial was supported by a few large shareholders, to the prejudice of the minority in shares, but not the minority of persons. In the Welshpool and Newtown newspaper of last week I observed a report by Mr. Miller. Inspector of Fisheries under the Crown. This report is addressed to the Commissioners of the district in which Dyfngwm Mine is situated. He goes on the say, "That on Nov. 26 last he visited the River' Dyfngwm," or into which the Dyfngwm washings empty themselves, and that he found the settling pools of the mine were very smail, and only two in number; that these were full of settled matter; that the slime was running into the river as it came from the workings; that there was not a particle of vegetation in the bed of the river, on its banks within water line for four or five miles down the river, all being burnt up, from the deletrious matter thus running to waste."

Does not this make good what "Ex-Officio" toid his brother sharcholders, and is it not another proof that the losses of the mine are influenced by such an irregularity? How is it, Sir, that the respected Chairman of this mining company is so hoodwinked by the officials, lending his great support passively to this, and other startling complaints of mismanagement? The dressing costs of the ere returned as sold this quarter, ending Dec. 31, is over 22. per ton!

Feb. 2.

Scrutator.

EAST HOLYFORD MINING COMPANY (LIMITED).

EAST HOLYFORD MINING COMPANY (LIMITED).

SIR,—In your Notices to Correspondents of the 2d lnst., "A Shareholder" observes respecting these mines, that he would advise the continuation of the works if they were likely to be remunerative, and of that the agents have given a favourable opinion. As one of the agents, I beg to reiterate the opinions I have previously nttered, and feel convinced that if the objects for which the company was formed had been legitimately carried out, the project would have been a great success; the earnest of which would seem to be dawning on its next neighbour, the Oid Holyford Mine, which, although only lately recommenced, is raising considerable quantities of rich copper ore, and will make a profit of more than 1800l, for the last is months, and will soon become a dividend mine. The capital left will not be quite enough to execute all the necessary works proposed; the late unfortunate proceedings, in which the money was not applied to the mine, or the adventure in any way prosecuted, save for the preliminary works, should not be taken as any proof or presumptive argument against the value or standing of the mine itself. It is most unfortunate that such a fine property should have failen into such straits by sheer mismanagement, or something worse, in the promoters thereof. Had half the money subscribed found its way to the mine there can be little doubt the promises made would have been fulfilled. Already the property has been examined and reported on for parties who will, no doubt, profit by the outlay already made by previous companies; a small bone fide capital and short time only will be requisite to make this an excellent property.

THE FRONTING AND BOLUVIA GOLD MINING COMBANY

THE FRONTINO AND BOLIVIA GOLD MINING COMPANY (LIMITED).

(LIMITED).

SIB.—You did me the favour of inserting a letter respecting this company in last week's Journal; since then I have received letters from Now Granada, reudering it imperative that a meeting of the shareholders should be held, if they would save the remnant of the property and the uncalled-up capital. I need only say that a portion of the information conveyed is to the effect that the Frontino Mines have ceased working, and the mining staff removed to Bolivia, and Capt. Tregoning is on his way to England. I take this opportunity of informing the 53 shareholders who have addressed me on my letter inscreed in the Journal of the 2d instant, that I shall have much pleasure in replying to them as soon as time will permit.—Park-road, Brompton, Feb. 8.

J. Harris.

who all le head goin close mine the scalle fixin

IRON SMELTING IN FRANCE.—The furnaces are square in external plan, which is a more usual form abroad than in England. They are 48 ft. high, 16 ft. wide at the boshes, and 11 ft. at the throat. The air is delivered to each of the tuyeres at a temperature of 400° Centigrade. The gases are taken off effectually frem all. Some of the older ones are closed with a lid, raised by a counterpoise, but the cup and cone plan has been adopted in most instances. In all, the sheet-iron tubes of material come over the mouth of the furnace and drop their contents in. The Mazenay ore requires no flux, as it contains abundant carbonate of lime, and the ordinary charges, when working with it alone, are 1700 ibs. of ore. The mixtures and management of the ores for the higher brands of iron are various. Some systems which have lately been elaborated are undoubtedly valuable to the owners of Creusot, though they could not benefit other forgemasters who have not the same varieties of mineral to deal with. The tapping of these furnaces takes place every eight hours, when about 8 tons are run from each. The slag is run in a thin sheet on the floor, and then broken up and loaded in the railway wagons by hand, which is a defective arrangement compared with nearly all others in the works. The gases are utilised to the utions. They heat the blast and supply the bollers of the blast-engines, and there is plenty to spare for sandry other boilers in the foundry and engine shops: and this raised, including some new boilers now in contemplation to replace others of old construction.—The Engineer.

Creditors of the East Indian Coal Company (Limited) are required. IRON SMELTING IN FRANCE.—The furnaces are square in external

Creditors of the East Indian Coal Company (Limited) are required to send the particulars of their claims to Mr. C. G. Carttar, the liquidator, by the 28th February.

Royal School of Mines.

MR. WARINGTON SMYTH'S LECTURES ON MINING.

Mr. WARINGTON SMYTH'S LECTULES ON AILMING.

LECTULE XVII.—It is necessary to be prepared, in driving levels, to meet with points of interruption, especially with reference to the direction which ought to be taken in seeking deposits which have been lost. Thus, if we drive a level from a shadt in given direction, and the state of the state of

TURE XXVII.—Having thus placed before the students a few of the simplest modes of securing the ground by timbering, he proceeded to a further consideration of the subject. When the levels are small, and merely for exploratory purposes, or for military mining, or ordinary work near the surface, it would be sufficient to protect the ground at the roof and sides with plank timbering, and sometimes the floor also, if for nothing else than to run the barrows on it. This or ordinary work near the surface, it would be sufficient to protect the ground at the roof and sides with plank timbering, and sometimes the floor also, it for nothing lest that to run the barrows on it. This, of course, would be very insufficient in the deeper working of mines, for then a whole system of frames would come into play, or which, if the ground were at all lose, they must avail themselves to secure the ground immediately over the heads of the men as they advance, and then drive in spliling boards. Be foregoing into that part of the subject, he wished the students to look a little more closely at the mode of fixing the side pieces, or legg, to the top or cap. In some mines round timber is employed, but whether round or square the principle was the same. In coal pits near the Mendip brushwood is put over the ears, and it is called "rice," which, no doubt, is useful to equalise the pressure. The mode of failing the cap depends a good deal upon the pressure on the roof, which renders it needs any to be careful not to throw out the legs very far from the perpendicular. The problems resulting from vertical pressure are, however, comparatively easy, what compared with those which result from lateral or transverse pressure, and needs we great number of diagrams to explain and illustrate the treatment each one required to be of unusual strength. Songian massive cap pieces, lot to be of unusual strength. Songian massive cap pieces, lot to be of unusual strength. Songian massive cap pieces, lot to be of unusual strength. Songian massive cap pieces, lot to be of unusual strength. Songian massive cap pieces, lot to the remarkable timbering of the Devon Great Consols Mine. Near against, upon which was placed a triangular structure of timbers from its (to be consolar mine, which he had referred also to the remarkable timbering of the Devon Great Consols Mine. Near against, upon which was placed a triangular structure of timbers from its (to be consolar many scientific parsons or call by a capturing parts and the

of extraordinary thickness, arresting a movement of the ground which at first seemed impossible to be resisted. In dealing with rocks exposed to the action of the atmosphere, and liable, therefore, to exidisation, which caused great pieces to be detached from them, if a level were left for a considerable time it would be found very much smaller in size than when it was first opened. In such places, and particularly if water falls upon it, the lasting power of timbers rapidly diminishes, and they are soon broken and burst in. Indeed, works have been known to be so closed up as to present to the subsequent explorer the appearance of unopened ground. It had happened to himself to be in a level driven in what appeared to be untouched vigin ground, where the workmen came upon a piece of timber, evidently a portion of a former level, and the skeleton of an old miner, but all so pressed together as to appear to be one mass. For the purpose of dealing with these great pressures elliptical frames have been adopted of solid timber, put together in pieces fit, in length. Another method has sometimes been adopted—that of cutting the timber into short blocks it. in length, and building them together, as it were, like stones. This was a coatly method, but was found to have a great amount of strength. It was nothing else, in fact, than an application of the method of securing shafts called "tubbing."

INSTITUTION OF CIVIL ENGINEERS.—At the monthly ballot, on Tuesday (Mr. Charles Hutton Gregory, Vice-President, in the chair), the following candidates were duly elected, including fifteen members:—Mr. Charles Bernard Baker, resident engineer on the Midland Railway Extension to London; Mr. Henry Baylls, borough engineer, and engineer to the Corporation Waterworks, Bolton, Lancashire; Mr. Michael Beazeley, assistant engineer on the Wolf Rock Lighthouse Works, Cornwall; Mr. James Bolland, Westminster; Mr. William Crozier, engineer to the county of Durham; Mr. James Deas, engineer of the western division of the North British Railway, Glasgow; Mr. Thomas Fenwick, Leeds: Mr. Daniel Gallagher Grose, Dublin; Mr. John William Grover, Westminster; Mr. Henry Law, late of Rio de Janeiro; Mr. William Lawford, chlef assistant engineer to the Great Western Railway; Mr. George Owen, engineer of the Cambrian Railways; Mr. Charles Robins, Westminster; Mr. Francis Stevenson, principal assistant engineer of the London and North-Western Railway; and Mr. Thomas Jefferson Thompson, principal assistant engineer of the Sambrian Railways; Mr. Charles Robins, Westminster; Mr. Francis Camden Town; Mr. Joseph Parkin Colbron, surveyor to the West Hove District Commissioners, Brighton; Vice-Admiral George Elliot, Warwick-square; Mr. William Henry Ashwell, Midland Railway Extension Works, Camden Town; Mr. Joseph Parkin Colbron, surveyor to the West Hove District Commissioners, Brighton; Vice-Admiral George Elliot, Warwick-square; Mr. William Francis, Westminster; Mr. John Clarke Hawkshaw, B.A., New Dock Works, Hull; Mr. Follett Charles Hennet, Ironworks, Bridgewater; Mr. Harry Pasley Higginson, Madras Irrigation and Canal Company; Mr. John Howkins, Jun., Barrow Docks, Barrow-in-Furness; Mr. George Albert Hutchins, Carmarthen; Mr. Charles Edward Mackintosh, Railway Foundry, New Cross; Mr. John Clarke Hawkshaw, B.A., New Dock Works, Inn., Preston, Lancashire; Mr. George Albert Hutchins, Carmarthen; Mr. Charles Edward Mackintosh, Railway Foundry INSTITUTION OF CIVIL ENGINEERS.—At the monthly ballot, or

William Cawthorne Unwin, B.Sc., Homerton College.

SOGIETY OF ENGINEERS.—At the meeting, on Monday (Mr. W. H. Le Feuvre, President, in the chair), the following gentlemen were elected Members:—Thos. Dale, Queen's-terrace, Old Ford-road; Wm. Hack, West Middlesex Water-works, Hampton; Wm. A. Lyttle, Priam-place, Hammersmith; F. Chadwick, Westminster Chambers; J. Roake, London-street, E.C.; T. A. Large, Chandos Chambers, Buckingham-street; E. D. Ettinger, Millbank-street, Westminster; R. E. Johnston, Engineers' Office, Shrewsbury.—Associates; R. C. Grant, Victoria-road, Kensington: H. Maltravers, Dowgate-hill; R. H. Foreman, Wood-de Elmstead, Chislehurst; H. J. Coles, Marylebone-road; G. W. Usill, Dorset-place North, Chapham-road; W. A. Bainbrigge, Colsters, Temple; William Smith, Northumberland-street, Strand; H. Carasew, Parliament-street; E. J. Mayhew, Great George-street; E. Dows Till, Lombard-street; Mark Manley, St. George's-road, Kegent's park; J. B. Hatheriey, Great George-street, S.W. A paper "On Safety Valves," by Mr. Thomas Baldwin, was read and discussed.

safety Valves," by Mr. Thomas Baldwin, was read and discussed.

On THE COMPOSITION AND DURABILITY OF LOCOMOTIVE BOILER.
TUBES IN REFERENCE TO COAL BURNING.—At the Institution of Mechanical Engineers' meeting, at Birmingham, Mr. G. A. Everitt, of Birmingham, read a paper on this subject. The question of oal burning in locomotive engines, and its consequent action on the copper fire-boxes and brass tubes, although one upon which greatdiversity of opinion prevails, has drawn attention to the importance of ascertaining the best alloy of brass for the tubes, and also to the necessity of overcoming the difficulties so often experienced from the copper fire-box plates being of hard or brittle quality. A simultaneous deterioration has also been noticed in the quality of the copper sheathing of ships' bottoms, the durability of which at the present time is far inferior to what it was several years previously. The explanation in each case appears to be that the quality of copper known as best selected, which is obtained by skimming off the upper surface or purest portion of the melited metal in the smelting process, has of late years been so much in demand, that the skimming is now carried too far; whereby the cake copper left behind, from which the copper fire-box plates for locomotives and the sheathing for ships' bottoms are made, is seriously deteriorated in quality. Recently a system of testing the best selected copper has been introduced with advantage by the Admiralty, and also adopted in the manufacture of locomotive tubes, a prescribed alloy of the copper with zinc being required to come up to a fixed standari of tensile strain, and to exhibit a fracture presenting a sliky appearance in texture, which cannot be obtained with any but a superior quality of best selected copper. The practice has also been adopted for several years on the French railways, and to some extent in this country, of employing an alloy of thess for the boller tubes containing a higher proportion of copper than formerly, which is believed t

MECHANICAL TREATMENT OF ORES.—Reference has been made in the Mining Journal upon several occasions to the improved oredressing machinery of Mr. JOHN HUNT, of Porthleven, who has now published a pamphlet, treating generally of the dressing of ores, with especial reference to the machine in question. Most experienced men are aware of the fact that although, as a rule, in working mines no reasonable expense is spared in employing competent men, and using the most economical machinery to bring the ore to surface; after which the dressing and preparing the same for the market (often one of the most important features in mining) is left to the caprice of those whose practical experience has never attained that perfection necessary for a good ore-dresser; and the employment of proper machinery in this department is, with some, quite a secondary consideration. Indeed, this branch of mining may be said to be a science of itself, both as regards the washing and the state of fineness to which the ore should be reduced, by crushing or stamping, before it undergoes the process of washing. The great and desirable object in the crushing and stamping all kinds of ore is, as much as practicable, not to reduce it finer than is necessary to separate the ore from the matrix. If, for instance, an ore of copper, lead, or any other metal, is disseminated in the matrix, like grains of quartz or felspar in granite, such ore, in the first place, should not be crushed finer than would pass through a sieve of four linear holes to the inch; if the ore is more solid, its being crushed to pass through a sieve of three linear holes to the inch would be preferable; in fact, the less solid pieces of ore are reduced before the crop, or rich part, is taken out, the better, as by the most complete and careful treatment fine ore will escape with the water. Stamping lead or copper ore, on account of its being easily reduced to powder, should be avoided as much as possible; it is better to lose by per cent. In the rough waste than lose 1 per cent. In MECHANICAL TREATMENT OF ORES,-Reference has been made

to, at least, impartial consideration.

COAL IN NATAL.—A highly bituminous coal, which burns readily, makes excellent fires, and cokes well, is found to occur in seams over 6 ft. thick, alternating with beds of shale, at a distance of not more than 150 miles from Port D'Urban. There is every facility for the construction of a railway from the coal field to the port, when the coal could be supplied in almost unlimited quantities at 11, per ton. The coal appears to be of collite formation, and extends over a very large area. It is suggested by Dr. R. J. Mann, who has been appointed Natal Commissioner for the forth-coming Paris Exhibition, that some gentlemen of known character, ability, and technical experience to make an exhaustive survey of the field, and especially to determine whether the deposit is continuous; he is sure the Colonial Government would be eager to bear its full share of the small burden necessary to carry out the investigation. In addition to coal, there is a fine deposit of ilmestone near the southern frontier of the colony, extending over an area of 20 square miles, and presenting specimens of almost Carrara excellence. Both the coal and the limestone will be exhibited at Paris.

Meetings of Public Companies.

LONDON AND COUNTY BANK.

The half-yearly general meeting of shareholders was held at the London Tavern, on Thursday.

Mr. H. C. E. CHILDERS, M.P., in the chair.

Mr. CLAPPISON (the secretary) read the notice onvening the meeting. The report of the directors appears in our advertising columns. The CHAIRMAN said it now became his duty to move the reception and adoption of the report. This was the first time he had had the honour of appearing before the proprietors as the Chairman of the meeting, and, and the control of the report. This was the first time he had had the honour of appearing before the proprietors as the Chairman of the meeting, and, and the control of the capital. In August last to which he had to refer upon the present occasion—one was with respect to the business of the year, but more especially to of the explicit. In August last this colleague constructed them upon the state of the business of the ham in the sinancial crists, and he (the Chairman) new, as the send of the year, might renew those congratulated them upon the state of the business of the ham in the sinancial crists, and he (the Chairman) new, as the send of the year, might renew those congratulations—chair that the send of the part in the part in the properties of the ham the contourner balances, &c., west 12,67,600.1 last year that them so were higher than this time last year, and higher than they had ever stood since the bank was established. The liabilities on experiments and the send office and each placed at call and at notice. The total and the control the ham the state of the accounts, he would first call attention to the bank was established. The liabilities on septiments and the send office and each placed at call and at notice. The total and was notice. The total and was noticed to the second of the

together with a bonus of 8 per cent. for the half-year (both free of income tax), and carried unanimously.

Messrs. Nathaniel Alexander, Thomas Tyringham Bernard, and Wm. Nicol were unanimously re-elected directors. Messrs. William Norman and R. H. Swalne, were re-elected anditrs, and Mr. F. Francis was elected an auditor in the room of Mr. R. Escombe disqualified.

A vote of thanks was passed to the Chairman and directors, and also to Mr. McEwan (the manager), the principal and other officers, for the zeal and ability with which they had discharged their duties.

Mr. McEwan said he would content himself upon the present occasion by returning, on behalf of the principal and other officers, as well as his own, their warmest thanks for the kind way the proprietors had received the last resolution. Such an earnest was not only a satisfaction to him, but it was a matter of great pride. This was the fifty-fourth meeting of the London and County Bank at which he had had the honour of responding to this vote. (Hear, hear.) The usual compliment to the Chairman terminated the proceedings.

GREAT NORTH LAXEY MINING COMPANY.

An important meeting of shareholders resident in the Isle of Man was held at the Athole Club-rooms, Douglas, on Tuesday, Mr. SAMUEL HARRIS, chief-magistrate of Douglas, in the chair.

An important meeting of shareholders resident in the Isle of Main was held at the Athole Club-rooms, Douglas, on Tuesday,

Mr. SAMUEL HARRIS, chief-magistrate of Douglas, in the chair.

The object of the meeting was to receive the report of Capt. Kitto, of Snailbeach, and Capt. Bawden, of Foxdale, who had upon the day previously inspected the mine on behalf of about 20 local shareholders, who a short time since subseribed to procure an investigation into the management of the undertaking and an inspection of the mine. Among those present were Messrs. Adams and Sherwood, advocates. Capt. McGregor, Dr. Wingrave, Lieut. Todd, and Messrs. Wilson, Sherwood, Gelling, Cubbon, Malvy, King, and others.

Mr. R. Sherwood observed that in consequence of the depreciated value of their property he had suggested the appointment of some of the local shareholders, and received a courteous reply, but meeting the question by asking what it was in the management of the mine they complained of. This meeting would furnish him a reply. They complained that the real answer of the directors or secretary was a paragraph in the Mining Journal, stating that a conspiracy was being got up in the island to run down the price of shares; on the contrary, their sole wish was to know why they had gone down. There was another statement, that the shaft was "being sous at the rate of 2 fathoms a month," which they would now find was quite as untrue as that relating to their conspiracy. He then proceeded to give a history of the company.

Mr. CUBBON read extracts from the reports of the companies that have worked the mine, and of the maaner in which the companies that have worked the mine, and of the maaner in which the companies had been formed, complaining that the promoters and directors of the pre ent company had greatly diminished their holding, and that the secretary had decreased his from 500 to 5 shares. They complained that the advice of practical men as to the mode of working the mine had not been carried out. All the captains who had insp

merely reported as he had done, because he could not see any extensive outlay about the mine itself. Had his letter been specially intended to mislead the shareholders? He dared say that all had arrived at the conclusion he had come to—Mr. Murchison has had the steering of the ship ever siree it was launched, she has been wrecked twice, and is now about half water-logged; he has been as unlucky as Jonah to this mine, and if he be not soon thrown overboard the vessel will sink for good.

Mr. WILSON thought their present course of proceedings should be stopped as soon as possible,—Mr. Adjans enquired if it were true that the mine was purchased by two servants of the old company—Capt. Rowe and another—for 12001, and resold to the present company for 36,0001.5—Mr. GELLING was informed that it was purchased in Mr. Murchisons's name.—Mr. Adjans would gladly hear the opinions of Capts. Bawden and Kitto on the state of the affairs of the company, as found by their inspection.

Questions were then put to the captains, who gave it as their opinion that the quantity of work in driving and sinking since the formation of the present company was not a fair or proper quantity for the time. The sinking had only been at the rate of 4 feet per month, and they thought it should have been at least from 10 to 12 ft. in such ground. In other respects they confirmed the views of Mr. R. Sherwood, whose remarks, indeed, appeared to have been based entirely upon their report. They advised that the workings should be confirmed to the sinking of the present shaft without a level until it reaches 100 fms. If the mine he not discovered then, it should be abandoned.

A resolution was unanimously carried embracing a vote of want of confidence in the present management, and appointing a committee to communicate with the English shareholders to obtain the appointment of a new beard of directors (three to be resident on the island) at the general meeting in March next.

LONDON PATENT COAL COMPANY

LONDON PATENT COAL COMPANY.

The annual general meeting of this company was held at the offices. Martin's-lane, Cannon-street, on Monday

Martin s-tane, Cannon-street, on Monday,
Mr. E. L. Cockerell in the chair.
The adoption of the report and balace-sheet having been moved
by the CHAIRMAN, an animated discussion ensued, in which Messrs. Riddell, Hare, Sheard, George Hammond, sen., and several other gen-

by the CHAIRMAN, an animated discussion ensued, in which Messrs. Riddell, Hare, Sheard, George Hammond, sen., and several other gentlemen took part.

Mr. E. T. HAMMOND (the managing director), in reply to questions, explained various items in connection with the accounts; and with reference to the Northfleet Works, he stated that although from various causes the manufacture of the fuel did not show great results at present, there was no doubt that with improved machinery, and some alterations in the wharf and premises, a very large and profitable business might be carried on there; at the same time, he considered that the expenditure at the works ought to be viewed as necessary for the development of the process, and in all new experiments much expense must be incurred, which can afterwards be avoided by the experience gained. The premises at Northfleet had been of great assistance in demonstrating to numerous coalowners the entire success of the patents, and had enabled the company to obtain the co-operation of several of the most influential gentlemen in South Wales, the Midland Countles, the Forest of Dean, Northumberland, and Durham, for the introduction of the process at their pits, and the representation of the company in their respective districts. The company's manager had visited several collerles, and carried out experiments with success, and there was every reason to believe that within a few months the company's process would be in operation at a large number of pits, and the revenue arising from royalties must ultimately be very large. In one case where arrangements had been concluded, the quantity of small coal raised annually exceeded 15,000 tons, and the use of the company's patent, if only for the utilisation of this waste for consumption on the spot, would increase the output of sound coal for sale 100,000 tons. Under these circumstances, and with the fact that the company possesses the right for 11 years to the revenue arising from royalties on the manufacture throughout the United Kingdom, h

EAST WHEAL ROSE CONSOLIDATED SILVER-LEAD MINING COMPANY.

MINING COMPANY.

A special general meeting of shareholders was held at the Guildhall Coffee House, on Monday,—Major Shaw in the chair.

The object of the meeting (as explained by the notice) was to vary the articles of the company, by striking out the following words in the latter part of the 19th paragraph—"And shall pay for the same to the amount of 1750/. in cash and 4000/. in shares of the company, with 2% per share credited as paid thereon; and the directors are hereby empowered to issue such shares accordingly; and such shares shall be entitled to receive dividends only on the amount which shall, for the time being, have been called up on the ordinary shares of the company." And substituting in lieu thereof the words following:—"And thall pay for the same to the amount of 1000/. In cash, 990/. in 330 fully pald-up shares of the company, and 3760/. In 1800 shares of the company with 2%, per share credited as pald thereor; and the directors are hereby empowered to issue such shares accordingly, and such shares shall be entitled to receive dividends only on the amount which shall for the time being have been called up on the ordinary shares of the company."

The CHAIRMAN regretted that one of his more able colleagues had not been appointed to fill the chair upon the present occasion; but

shall be entitled to receive dividends only on the amount which shall for the time being have been called up on the ordinary shares of the company."

The CHARMAN regretted that one of his more able colleagues had not been appointed to fill the chair upon the present occasion; but having been voted to that position, he need hardly say he would be glad to communicate all the information the board possessed, although, strictly speaking, they ought not to enter into any matter other than that specially referred to in the notice convening the meeting. The shareholders would, no doubt, remember that some little time since they received a circular soliciting them to increase their interest in the company to the extent of five shares each, the reason for such a request being that the vendors, who were most anxious to have the property developed in such a manner as it was agreed to ald in the successful formation of the company by accepting in each 1600f, instead of 1750f, as hitherto arranged, upon the condition, as above stated, that the shareholders agreed to accept the additional interest. This was so obviously for the benefit of the shareholders at large, that he need not further refer to it than to state that it was only another evidence of the opinion of the vendors as to the value of the property, in addition to that adduced in the prospectus—that they reserved to themselves an interest in the mine by accepting a large proportion of the purchase-money in shares, upon which calls could be made after a certain amount of capital had been called up. If the vendors had not great confidence in the future of the company, it could hardly be imagined they would have agreed to such amended terms as those. He might further mention that, in our roboration of the satisfactory report upon the property given by Captain John Kitto—and there were few practical authorities whose opinion was entitled to more respect—they had obtained a report of Captain R. Nancarrow (of the rich mine known as West Chiverton, whose long and practic

large proportion of the purchase-money in shares upon which there was a contingent liability, they had now agreed (upon the conditions referred to by the Chairman) to reduce the cash payment from 1750, to 1600.

Mr. Thomson said, as a large shareholder, he should unhesitatingly support the motion. He understood, according to the terms of the proposition, that the vendors' shares would receive dividends only upon the amount of capital that had been called up at the time of their declaration, and not upon the amount oredited as paid.—Mr. H. PHILLIPS (the company's solicitor) replied that the terms of the resolution were to the effect that the vendors' shares should be entitled to receive dividends only on the amount which shall for the time being have been called up on the ordinary shares of the company. The whole arrangement was entirely in the interest of the shareholders.

A SHARRHOLDER enquired the extent of the lease, and the terms upon which it was held 3—The CHAIRMAN said that the lease was for 21 years—the usual term of a mine lease, and a minimum rent of 201 to merge in the royalty, which was only 1-12th. He further stated it to be the intention of the directors to engage some good practical authority—probably Capit. Ritto—to thoroughly examine the property, with the view of determining the position of the engine-shaft, but that, probably, would not be done until the addit level had been driven, and the cross-course—referred to by Capt. Nancarrow—was reached. Those familiar with the development of mines would be aware of the great importance of having a cross-course intersecting the property, as it was against such geological formations that in Cornwall the richest and most permanent deposits of ore were invariably found. Therefore, to determine upon the position of the engine-shaft before ench important points as these were reached might in the future development of the property prove to be a most Injudicious step. They would reather, in the first place, directed by sound practical advice, test the valu

could form an opinion as to the depth at which returns might be expected?

—The CHAIRMAN said that the directors were unwilling to put forth any statement upon that point, because at the best it could be but a mere opinion. They knew, however, that the rich mines with which they were sufrounded produced large and profitable returns at comparatively shallow levels, and they also knew that in their property at the present depth of exploration the indications were in every respect as encouraging, if not more so, than in those mines which had proved themselves so enormously productive. He had been isformed that an inspecting agent of no mean reputation had given it as his opinion that considerable returns would be made before the 20 fm. level was reached.

A SHARRHOLDER asked the amount of capital that had been subscribed?

The SERSTAN replied that sufficient had been subscribed to develope the mine, exclusive, of course, of the vendors' shares.

The CHAIRMAN, in reply to other questions, stated that hitherto the whole expense at the mine had been defrayed by the vendors. From the estimates of several agents, there would appear to be capital sufficient to thoroughly develope the mine.

Cantain HANDLEY thought the shareholders had groud reason to congratulate.

the mine. Captain HANDLEY thought the shareholders had good reason to congratulate themselves upon having acquired a valuable property upon most advantageous terms. He had no doubt that, with careful management, which the directors would use their utmost power to obtain. East Wheal Rose Consols would, at no distant date, become no mean neighbour of the rich mines in that well-proved district, which could boast of its Old Shepherds, its East Wheal Rose, its Cargoil, and its West Chivarron.

district, which could boast of its Old Shepherds, its East Wheal Rose, its Cargoll, and its West Chiverton.

The CHAIRMAN said that assays had been made of samples of the lodes by Messrs, Johnson, Matthey, and Co. (assayers to the Bank of England, the Mint, &c.), which gave 75½ per cent. of pure lead, and 38 ozs. of sliver per ton of ore. He did not think he was saying too much when he stated that few mines, even in that district, could produce such ore at a depth of not more than 16 fathoms

The motion was put and carried unanimously. A vote of thanks was passed to the Chairman and directors.

The CHAIRMAN having acknowledged the vote, expressed a hope that the directors would soon be in a position to place before their proprietary some tangible evidence of the value of their property. The proceedings then terminated.

MINING, METALS, AND MINERALS - PATENT MATTERS. By M. HENRY, Patent Agent and Adviser, M. Soc. Arts, Assoc. Soc. Eng.

The recent outbreak of the metal-workers in Belgium is anothe proof of the disadvantages resulting from defects in the development of public instruction in political economy. If working men were taught the principles of a science so necessary to them, and were taught as fully these principles as they are educated in excentric notions of arithmetic and grammar when at school, or in superficial smatterings of science when members of mechanics' institutions or attendants at lectures, they would be more happy and secure, and their employers and the consumers of labour would profit by the diffusion of such knowledge. Our societies for the promotion of the useful arts, our mechanics' institutions, our various modes of imparting so-called industrial education, whether to the upper, lower, or middle classes of society, do not urge sufficiently the immense importance of full familiarity with the study and practice of political economy. In Belgium a movement among metal-workers is a matter of considerable moment. The metal trade of Charleroi and other towns of Belgium is notable, and it would be a matter of great regret if a misunderstanding between employers and employed in this department of industrial action were to check the development and progress of groof of the disadvantages resulting from defects in the development

gium is notable, and it would be a matter of great regret if a misunderstanding between employers and employed in this department
of industrial action were to check the development and progress of
one of the elements of Belgian prosperity.

STEVENS proposes, under his patent, No. 1628, to obtain greater
heat from coal-gas or other inflammable gases, by mixing steam with such gases,
and employing the produce for the production of heat. The said mixture takes
place just before the gas reaches the burners at which it is to be consumed. The
character of the flame is thus changed, and its volume greatly increased. Pipes
are used to effect the required mixture. Instead of passing the steam-jet directly
into the gas-pipes as they approach the burner, the steam-jet may be disposed so
as to cause an increased draft of air to act upon the flame. When applied for
heating metals, roasting ores, and other like purposes, the steam-generator may
form part of the fire-box or furnace. The mixture may even be applied for lightling, by using it to heat lime or platina sponge or wire to an intense white heat.

—LEES and SLATER, of Oldham, have patented some improved meahinory for
making moulds for casting iron and other metals, the object being to support the
pattern-plate at its outer ediges, so as to prevent its twisting or binding when
the sand is being rammed into the box unevenly. The patterns to be moulded
project partly through a facel moulding or dye plate, on the grain of the plate of the paterns of the pattern-plate at the outer olders, so
project partly through a facel moulding or dye plate, on the pattern-plate by
project partly through a facel moulding or dye plate, on the pattern-plate by
project partly through a facel moulding or dye plate, on the pattern of the
plate while the sand is being rammed into the moulding-box. After the ramming-in the uprights are moved laterally, to allow of the patterns for bepattern by the pattern of the

FOREIGN MINING AND METALLURGY.

The shareholders of the Frouard Blast Furnaces and Forges Com The shareholders of the Frouard Blast Furnaces and Forges Company have decided on issuing, in addition to the share capital, which amounts to 32,000*l.*, obligations to the extent of 16,000*l.* The new obligations are to bear an interest of 6 per cent., and are redeemable at 24*l.* each, in 20 annuities; they are issued at 20*l.* each, payable in two equal instalments. The increase in the capital thus determined on is justified by the development acquired by the foundry operations of the company. Thus the foundry produced in 1864 only 125 tons per month, as well of first fusion as of second fusion, while now the monthly production amounts to 500 tons. The shareholders themselves subscribed for nearly the whole of the obligations issued. At the last meeting of the French Committee of Forgemasters two principal questions occupied attention. The first was that of the octroi duties levied on iron entering Paris, with regard to which it was decided that a letter should be addressed to the Prefect of the Seine. The second question, that of warrants, gave rise to the communication of a letter from the Vicepmasters of the Nord, addressed to the Senato. Another meeting will be held shortly to continue the examination of this important subject. Orders for 14,440 tons of rails have been given out during the last few weeks by the Orleans Railway Company; of this quantity 10,000 tons were taken weeks by the Orleans Railway Company; of this quantity 10,000 tons were taken

The difficult crisis through which siderurgical industry is pass

iron. The difficult crisis through which siderurgical industry is passing does not seem likely to terminate very soon, as the general fall which has occurred in prices is maintained, notwithstanding the most energetic efforts. The measures adopted by the Charleroi forgemasters have not yet produced any favourable effect. The Haut Fiehu Colliery Company is paying a dividend of 2 per cent., or 8s, per share. Meetings are announced as follows:—Falunée Collieries Company, Feb. 23, at Quaregnon.

The exports of English iron to Prussia and Germany somewhat declined last year. We may attribute a part of this diminution to the increase in the production of iron in the Zollverein, while the deliveries of Prussian iron into districts which had formerly no other source of supply but England have also been increasing. Thus it is stated—although we are not quite prepared to subscribe implicity to the accuracy of the figures—that the imports of Scotch plg into Germany attained a total of 39,800 tons in 1856, while in 1866 they only amounted to 47,800 tons. Although war had an influence on the diminution disclosed in these figures, it was not the only cause, and a proof may be found in the fact that the exports of Scotland to Holland, France, and Spain experienced also a considerable diminution. The position of the Prussian works is stated, indeed, to have sensibly improved, and their outlet has increased principally where Scotch iron had exclusively ruled the market. The Prussian iron trade is now calling for a reduction of rallway transport rates, so as to enable it to compete with some chance of success with English works in the ports of the North Sea.

The price of coal continues to be maintained in Belgium with a certain firmness. At Charleroi all-coming coal remains quoted at 12s. per ton. In the basin of the Couchant de Mons prices have not varied materially. Washed coke has made 1l. 4s, and unwashed coke 1l. 1s. 8d, per ton. Freights have not varied. The collieries of the French departments of the Nord and the Pas-de-

During the last few days copper, tin, and zinc have especially attracted the attention of speculators on the controlling markets of the Continent. As regards copper, some unexpected facts, such as the announcement of important arrivals from the Southern seas, and the rapture of the association of English founders, have sensibly modified the position of the article, and have provoked a downward movement. Subsequently the markets have regained a little firmness, and choice qualities have been dealt in at sustained rates; purchasers operate, however, with a certain reserve. At Amsterdam, Drontheim has made 53 fis.; English, 47 fis. to 48 fis.; and Swedish, 56 fis. At Botterdam, English has been quoted at 56 fis. to 52 fis. At Havre, Chilian and Pernvian, in bars, has made 771.; Pernvian mineral (pure standard), 791. to 801.; United States (Baltimore), 941. to 961.; Lake Superior ditto, 941. to 140.; 741. to 561.; red ditto, 741. to 761.; and bronze, 701. to 761. per ton. At Marseilles, Toka, for consumption, has brought 801.; Spanish ditto, 801.; refined Chilian and Pernvian, in warehouse, 881.; old red copper, 744.; roiled red copper for sheathing, 921.; yellow ditto, 921. per ton. At Antwerp, American has made 1161, per ton. At Paris, English, in plates, has made 841.; Chilian, 781.; and Corocoro mineral, 811. per ton. Thin has enjoyed a great favour, and a notable advance has occurred of late; indeed, there may be said to be much animation in transactions. On the Dutch markets Banca attained at one time a quotation of 524, fis., but more recently the article receded at Rotterdam to 51 fis., at which rate, however, there were but few selters. On the Paris market Banca has been 911. to 921.; Straits, 901.; and Pernvian, 681. to 801. per ton. Lead remains stationary at former rates; there is, however, a little feebleness in quotations. Zinc is generally more quiet, but continues to be dealt in at favourable prices.

vourable prices.

The fusion of the companies owning the collieries of the Levant du Flenu and the Haut Flenu has become definitive. The Central Belgian Rolling-Mills Company has been authorised to establish, at Belgian Rolling-Mills Company has been authorised to establish, at St. Waast, an iron-producing establishment, comprising 30 puddling-furnaces, five pairs of rolling-mills, of which three are to be devoted to the production of plates, and fivesteam-engines of an aggregate force of 314-horse power. The fusion has last been approved of the Northern of France Gas Company with the Belgian General Company for Lighting and Heating by Gas. In consequence of this fusion, the gasworks established by the French Company at Dunkerque, Bergues, Arras, Cambral, St. Omer, Valenchennes, and Anzin are to be transferred to the Belgian undertaking. Contracts for lighting the towns named are also transferred with the works. The sum to be paid in consideration of the transfer will be 200,0004.

Tenders were received last week for Bessemer steel rails required Tenders were received has to week for bessemer steel rails required for a leading Belgian railway. The Barrow Hematite Steel Company tendered for three lots at 13t. 17s. 2d. per ton, delivered at Antwerp. Mr. Robertson, of Hamburg, sent in a tender at 14t. 5s. 7d. per ton, with delivery at Antwerp; and Mr. H. Simon, of Manchester, two lots at 14t. 15s. per ton.

[ADVERTISEMENTS.]

[ADVERTISEMENTS.]

From Mr. James Crofts:—The reduction of the Bank rate of interest to 3 per cent., the rise in tin of 2l, per ton, and the new rise again in copper, are items in favour of continued activity in the speculative market. The writer's last remarks on mining shares were dated January 26, p. 53 of the Journal, and in reviewing the opinions there given, he finds that nothing has occurred to detract from them, except that in the interval a rather duil cloud came over the market, and operated adversely upon several speculative shares, whilst others have reached a much better position as to price, among which are Great North Downs, East Grenville. North Roskear. East Russell, and Great Retailack; whilst Chieveton, Great Laxey, Marke Valley, North Crofty, South Condurrow, West Chiverton, Wheal Kitty, and Prince of Wales have remained steady. A meeting of the latter mine has been fixed for the 12th, when a call, estimated at not more than 1s, to 1s, 6d, will be required, whilst the mine is about sampling 80 tons of ore, a portion of which is reported very rich in quality. The shares to-day (Thursday) are 34s, to 35s., with more buyers than sellers. The quarterly meeting of West Chiverton is fixed for the 18th instant, when the usual dividend of at least 2l, per share will be declared. Sales of Great Laxey are still recommended for exchange into this mine, and if the writer's advice be taken as to speculative operations in low-priced shares, the public will turn their attention to Caldbeck Fells, East Bottle Hills, Revisual Moora, North Doleoath, Great Retallack, Gawton United, Wheal United, but not least, PRINCE Of Wales. In Stock Exchange shares, YUDANASUTANA are 1½; CHOSTALES lower, say 2% per share (3l, pald). There are also buyers of Frontino at 3s, to 4s. Don Propo having advanced to about 6s, per share premium, should be sold. It is curious to observe, however, that the public allow the "jobbers" to monopolise the profit in mining shares, by becoming the share for "bearing" operations, all of whichi

The shareholders of the Frouard Blast Furnaces and Forges Complete of mineral ground, more operations are messary in always and the control of the control o From Mr. EDWARD COOKE :- The result of Limited Liability durper share. NORTH CROFTY is, I may say without fear of contradiction, the most rising mine in importance in the Camborne district. This may be seen by the steady and progressive increase in the monthly sales of th. In June last the sale for the month was 9 tons, while the presents are about 22 tons, the sale for the month was 9 tons, while the presents are reported to the contract of the contract

in price, consequent, I presume, upon a pending call. This has been invariably the case under similar circumstances, and after the call has been actually made the shares have recovered their price.

From Messrs. WARD and JACKMAN:—The advices received this week from Cornish correspondents speak in high terms of several mines, and knowing them to be most honourable men in the profession, whose word is beyond doubt, and whose opinions are worthy of every respect, we know. If they err, it is not by design, but by misadventure. There are many stocks, from motives and circumstances that have not the remotest reference to their real value, that may be found quoted at ridicalously low prices, and this, we contend, should not form any guide to the speculator, except to induce him to buy. We refer our friends to the pages of the Mining Journal, only two months back: and comparing the prices of some shares with the quotations of to-day, they will find many have risen several hundreds per cent, and we firmly believe there are such stocks in the market at the present time, both dividend and progressive, which may be as well bought. The past week has not been barren of improvements. WHEALBULLER has recovered the late depression, and the shares have been sought after at advanced prices; the difficulty is to find sellers, and no wonder, with such unusually brilliant prospects. The flat-roots are being erected as fast as possible, but strong and in a workman-like manner; and we are confident, as is also the captain, that there is a great quantity of good tinstuff to take away from Kistler's shaft when the water is in fork to the 2, and this will be accomplished in the time specified. In driving the 27 fm. level, west of Sievens's shaft, they have cut a large stream of water, and the lode is producing tinny work, and they hope shortly to work in the bottom of the 80 fm. level; and, from the appearance of the lode in the 29, it is anticipated will proveequal to expectations. The 70 east is improved—a fne-looking lode, and the cap

From Mr. John B. Reynolds (Bishopsgate-street Within):—
West Chiveston continues in high favour, whilst Wheal Chiveston is pronounced to be one of the best mines for investment now existing. Cliffforns are steady, but a certain degree of depression is manifest in East Caradon. West Kitty shares have changed bands at low rates, and Wheal Kitty is exhibiting a very favourable tendency. The merits of Great North Downs are freely discussed. East Rosewarnes, after an unjustifiable fall, are again looking up. Wheal Settons have had a scrious fall, but will, doubtless, soon recover. West St. Ives is said to be a little concern of great promise. Business is going forward in Bottle Hill. Cook's Kitchens shares are remarkably firm, and it should not be lost sight of that Stray Park is the adjoining mine. Great Retallacks are still advancing, and it this mine turns up well the encouragement to desponding adventurers in other concerns will be, or ought to be, very great. East Russells are in favour. Redoor, in the Callington district, has taken a good start, and may be considered as a very excelent speculation. North Treskerbys are considered good for investment at present prices—2/2.

From Mr. A. E. Prince (Penvi, Camborne):—A better feeling exists in the market, and business is doing, with some little activity. North Wheal Crofty, after baying temporarily receded in price, correspondingly with other mines, from a dulness in the trade, is again gradually brighening up. It is gratifying to find that the managers (Capts. Vivian) report more encouragingly than ever of this mine. For about a week there have been a few "bears" in the London market. A large number of shares was purchased for the last settling by parties who could not take them up, in consequence of the full before mentioned; hence the shares were thrown on the market, which, of cours, had a tendency to depreciate their value. With pleasure we reiterate our fiellef that when North Crofty shares are at 16t. (the price they will shortly willish) they will be eagerly sought for. The managers' report warrants us in stating that ere long, with a better price of tin, which we stand a good chance of getting, it would not be too much, without exaggeration, to expect 30 to 40 tons of tin per month. Why should the shares, then, remain at their present quotation, 5½ to 5½? Much has been said in reference to the enormous rise which the shares have aiready had. DEVON GREAT CONSOLS shares were at one time readily saleable at i.e., and what is the present price? It must be remembered that North Crofty is not the only mine which has risen since the depression of 1865—for example, Cook's Kitchen, about 25,000£; whilst Tix-croft; procurable at 9th, have this year been done at 16½, or 37,500£ on the mine. At this mine (Tincroft) there are 60 tons of black tin ready for sale, with a large quantity of tinstuff in a forward state, the far-sceing manager keeping it in reserve until a better price can be obtained. Since the meeting of shareholders, on Thursday, the this standard has risen 2t; the mine, at present price of shareholders, in Thursday, the this standard has risen 2t; the mine, at present price of shares, is paying 8 per cent., and, as Captain From Mr. A. E. PRINCE (Penvu, Camborne):-A better feeling

ever looked better.

From Mr. J. DUNSTAN (Truro):—The Mining Market has been a street during the last ten days, but it has not been so brisk as might From Mr. J. DUNSTAN (Truro):—The Mining Market has been a little more active during the last ten days, but it has not been so brisk as might have been expected, seeing the advance which has in the last few days taken place in tin and copper, and the improvements that have taken place in several mines. In January, February, and March of last year I called, through the Journal, the attention of the public to several mines which I then considered would have a great rise in price, among which I named North Crofty, then 8s., now 5½; 5½, 62 to 2½, 22 Esta Carn Brea, almost giving away, now 3½, 3¾, 3½; Great Retailack, 2s. or 3s. per share, and, although some of the unprincipled brokers did all in their power to crush the concern, the shares have advanced to 48s., 50s., and 52s., and are likely tog on much higher. It should not be forgotten here that this mine is situated in one of the richest mineral districts in Cornwall. To the east they have the well-known East Wheal Rose and Old Shepherds; to the south, West Chiverton; and to the west. Budnick Consols. West St. Ives is said to be looking well. In Great South Chiverton they have a 40-in. engine, which wilk keep the water to a great depth. Budnick Consols is purchased by a party of gentlemen in London, and the mine is said to be looking well. Operations will be carried on on a more extensive scale, and it is thought by all parties acquainted with the set it will turn out a great prize to the fortunate purchasers.

LONDON GENERAL OMNIBUS COMPANY, -The traffic receipts for

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

THE TAVISTOCK DISTRICT .- Mr. H. L. Phillips (of New Broad-THE TAVISTOOK DISTRICT.—Mr. H. L. Phillips (of New Broadstreet), and some influential gentlemen, are about to vigorously work a valuable property in close proximity to Devon Great Consols. Themine is reported upon most favourably, and the management will be vested in Capt. Richard Pryor, who speaks highly of the undertaking. The directors are connected with the East St. Just Mines, which are also under Mr. Phillips' able management, and now yielding some 9001, worth of ore monthly, so that there is overy assurance of the property being vigorously developed. When it is mentioned that this new enterprise under its late management has actually stood next the Devon Great Consols in the quantity of its copper ores sampled, there is no doubt of the great value of the property. It is estimated that the mine can now yield nearly 4000 tons of ores per annum.

ROSECLIFF AND TOLCARNE.—An important discovery has recently been made at this mine. No. 4 lode, going west, has been cut, worth from 901, to 301, per fm., and at the present time is still holding its value; this is a very important discovery for the mine and the district. This mine has been opened with great spirit and energy, and the proprietors now seem likely to reap the benefit of their outlay.

At GREAT RETALLACK a fine lode has been met with in the adit end north, on the No. 2, or Trebellan lode. The lode is 15 inches wide, with a leader in places from 4 to 6 inches wide, of almost contents.

with great spirit and energy, and the proprietors now seem likely to reap the benefit of their outlay.

At GREAT RETALLACK a fine lode has been met with in the adit end north, on the No. 2, or Trebellan lode. The lode is 15 inches wide, with a leader in places from 4 to 5 inches wide, of almost solid sliver-lead. This is the first discovery of sliver-lead in this part of the mines, and may be looked upon as of the greatest importance, the lode being, to all appearances, likely to lead to a large deposit of ore. The most strenuous exertions are being, and no doubt will continue to be, made to induce the adventurers to sell, but they will do well not to listen to any representations, but to hold on. The mine at the present moment shows all the elements of great success, and is likely to prove the mining prize of the year. The engine will soon be at work; it will take but a very few weeks to see the lode 10 fins. deeper, when, if the results should be as favourable as the present indications lead us to expect, the mine will speedily become one of the most productive in the county of Cornwall.

EAST BOTTLE HILL is opening out well, and regular returns of tin will be made in a few weeks. The extent of ground is 600 fins. on the course of the lodes, the main lode in Bottle Hill, the mine adjoining, having produced tin and copper 200,000. In value. The splendid new 60-ft, wheel, approaching completion, will be at work next month, and profits will theneforth be made.

PENHALE AND LOMAX.—The plunger-lift in the 64 has been redeemed and secured, and the mine will shortly be unwatered. Already several more tributers have been set to work, and fresh quantities of lead ore are daily being brought to surface; it is expected that the lead will realise from 16. to 261, per ton, being extremely rich in sliver. United action, and confidence on the part of the shareholders, will soon place this splendid property in a good position, and the shares must then become valuable.

At NORTH RETALLACK they have discovered one of the Great

MINING IN NEVADA, U.S.

MINING IN NEVADA, U.S.

No better showing can be made of the mines in Nevada than the actual results expressed in figures. Capitalists want the proofs—to see the buillon, the estimates of costs, and the dividends. The following statement of the proceeds of half a dozen companies on the Comstock lode, furnished by the Enterprise, Virginia City, Nevada, is really astonishing in the amount of the dividends, as compared with the prices of the shares in the mines. These mines usually have much other property, as mills, offices, holsting works, &c., worth almost as much as the market price of the mine and entire property. When we see such grand results arising from the mining of the low grade ores of the Comstock lode, which seldom reach \$60 per ton, it must give encouragement to mining in our own section, where ores are in such vast abundance and of a much higher grade than the highest found in the Comstock lode. At the rates at which the mines of Virginia City are paying, and their market price, they will pay for themselves in 16 months. What better investment could be asked for?

Never have tho mines in Nevada been yielding more munificently than now, and never have those that are productive offered to capitalists so substantial a chance for investment. Among the incorporated Comstock companies the following dividends have been declared for the present month:—Savage, payable on the 8th, \$100; Yellow Jacket, on 15th, \$75; Empire, on 8th, \$16; Imperial, on 15th, \$8; Crown Point, on 15th, \$80; Hale and Norcross, on 15th, \$100. In addition to the princely dividend by the Hale and Norcross, on 16th \$14, the directors have decided to make the shareholders a Christmas present of another \$100 per share on the 25th. By these six companies the reference be paid to their stockholders, the present month, the following amounts respectively:—Savage, \$80,000; Yellow Jacket, \$90,000; Empire, \$18,000; Imperial, \$22,000; Crown Point, \$30,000; Hale and Norcross, \$90,000; Capital Points of the common of the companies than \$20,000,000

Gold Mining in Canada.—The reports of Mr. Pope, the Government Inspector of gold mines on the Chaudiere, for the month ending Dec. 13, are highly satisfactory. The gold extracted from some of the pits on lots 16-19, De Léry concession, seigneury of Rigaud-Vaudreuil, according to the returns furnished by the agent of the Reciprocity. Mining Company was—from a pit 4 ft. x5 ft., worked by five men, four weeks, \$700; from a drift or tunnel, 50 ft. x6 ft., five men, five weeks, \$504; from a pit 5 ft. x6 ft., three men, four weeks, \$275; and from other pits, casually taken out while prospecting for good locations, \$1200—\$2679. Mr. Pope states that a nugget weighing 8 ozs. 18 dwts. has recently been taken out of one of these pits. Writing a week later he gives a still more favourable account, that a miner had lately turned up a nugget 6 in. in length by 4 in. in breadth, and weighing about 40 ozs.; it is estimated to be worth \$800, and was found 32 ft. below the surface. At a time like the present, when much interest is felt by British capitalists in all connected with Canadian mining, such news as this from official sources must be highly gratifying. The case with reference to the dispute as to the ownership of the gold in the De Lery concession has been argued before Mr. Justice Gauthier, but judgment has not been delivered. The latest advices state that a nugget, weighing 30 bs., has just been found at the Gilbert river, in the De Lery Company's ground, and that quite a sensation had been created by the news, Mr. Pope's official report upon the subject being anxiously looked forward to.

JOINT-STOCK BANK ACCOUNTS .- Mr. Lelean's Stock, Share, and inancial Register, for February, comprises an analysis of the accounts of the everal joint-stock banks and other companies that held their meetings during he month of January, in addition to a review of the money and share markets or the month, and a mass of information very useful to investors.

SALE OF MINE SHARES BY PUBLIC AUCTION.—Mr. C. Thomas sold by public auction, at the London Tavern, on Thursday, the following mine shares:—20 North Basset, at 6d.; 10 Lady Bertha, at 2s. 6d.; 25 Great South Chtverton, at 2s.; 25 ditto, at 1s. 9d.; 5 East Wheal Russell, at 3d. 10s.; 5 ditto (forfeited), 3d. 7s. 6d.; 2 ditto (forfeited), at 3d. 8s.; 20 Bottle Hill, at 3s. 9d.; 10 East Storp, at 5s.

The London Stock and Share Company (Limited) made sales at The London Stock and Share Company (Limited) made sales at their weekly auction of Credit Foncier shares at 5 dis.; Colonial Company, 13 dis.: Ceylon Coffee, 7½ dis.; Gulidhall Tavern, 2 dis.; Iron Screw Collier Company, 2½ dis.; Illinois Central, 81½; Ionian Bank (new shares), 2½ dis.; London Engineering and Iron Shipbuilding Company, 24½ dis.; Royal Swedish Railway, 4½ dis. Shares in the London and Lisbon Corkwood Company made 22s. to 24s.; Imperial Land of Marseilles, 24s. 4d.; Scottish Australian Mining Company (1l. cach, fully paid), 21s. 3d.; Westminster Improvement, 16l. 10s. to 17l. 5s.; Specie Basis, 4l. to 4l. 10s. per bond; Varna Railway, 4l. 5s. to 4l. 7s. 6d.; Royal Copper Mines of Cobre (Limited), 16s. to 17s.; United Mexican Mining Company (Limited), 4ls. per share.

HOLLOWAY'S OINTMENT AND PILLS-SOCIETY'S SAFEGUARD .-HOLLOWAY'S UINTMENT AND FILLS—SOCIETY'S SAFEGUARD.—
Whatever the disease may be, wherever it may discover itself, whether externally or internally, the victims may enter on Prof. Holloway's treatment with
hearts full of hope that every day will bring some amelioration of the infirmity.
For the cure of ulcers, wounds, sores, abrasions, cruptions, abscesses, glandular
swellings, and the generality of throat and chest complaints, the ointment need
only be used according to the instructions to insure a successful issue to the litswellings, and the generality of throat and chest complaints, the ointment need only be used according to the instructions to insure a successful issue to the fil-ness, and a desirable restoration to health and strength. In all disorders which have been of long duration, Holloway's pills should be taken; they powerfully timulate the circulation, rouse the needful nervous energy, and induce repara-tives action. BRITISH AND FOREIGN INVESTMENT 224 and 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.,
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INSURANCES, and ALL OTHER DESCRIPTIONS of BRITISH and FOREIGN

INSURANCES, and ALL OTHER DESCRIPTIONS of BRITISH and FOREIGN STOCK.

Mr. SPARGO has for sale shares in English mines paying from 12 to 20 per cent. upon the present price, in bi-monthly and quarterly dividends, as also a number of shares in good progressive mines, some of which he with confidence specially recommends to the public as sound investments.

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 Mr. SPARGO has published the following works, viz.:—

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for the present month will contain a tabular statement of Banking, Mining, and other Companies, showing the depreciation in value during the last twelve months; and a price list of shares in Banks, Canals, Railways, Bridges, and Finance Companies up to Tuesday, the 12th instant. It will also contain Rate of Discount at Home and Abroad; Investments—Domestic and Foreign; Gold and Silver Mines; with necessary detailed information connected with the Stock and Share Markets, Mines, and Miscellaneous Companies.

224 and 225, Gresham House, Old Broad-street, London, E.C., Feb., 1867.

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ON THE MECHANICAL TREATMENT OF METALLIC MINERALS, OBTAINING GOLD, PRECIOUS STONES, &c., FROM ALLUVIAL DEPOSITS. The Pamphiet just published on the above subject by Mr. JOHN HUNT (late manager of the Pont Pean Silver-lead and Zine Works, France), with a description of an IMPROVED MACHINE for the SEPARATION of ORES, METALS, &c., can be obtained on application to the printer, Mr. R. CUNNACK, Helston, Cornwall, enclosing three postage stamps.

THE ANALYSIS, TECHNICAL VALUATION, PURIFICATION,
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Teacher of Practical Mining in the late Mining School of Cornwall, and Principal of the Engineering Academy, 36, Upper Parliament-street, Liverpool,

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CARNARVONSHIRE CONSOLIDATED LEAD MINES COMPANY (LIMITED).

NOTICE.—The Committee of Directors desire to give notice that the shareholders will have a full opportunity of expressing their opinion upon the winding-up of the company at a meeting to be shortly called.

The petition for winding-up will not be presented until after this meeting. The Committee of Directors decline to enter into a controversy in a public journal. They will be prepared at the proper time to substantiate all their statements.

D. H. WARTON, Sec.

tatements.
2, Telegraph-street, London, E.C., Feb. 8, 1867.

CARNARVONSHIRE CONSOLIDATED LEAD MINES

CARNARYONSHIRE CONSOLIDATED LEAD MINES COMPANY.—An EXPOSURE of some of the MIS-STATEMENTS and MISREPRESENTATIONS contained in Mr. ROGER FENTON'S CIRCULAR, addressed to a select number of the shareholders, dated Feb. 2d, 1867, may be had of Mr. Carrenverre, 26, Whitehead's-grove, Chelsea.

Since this exposure was published, on Wednesday, Mr. Fenton has put forth another effort to damage the mines, and in one paragraph, in which he refers to me, he states two things that are untrue. First, he says, that I "quibble" in saying that preliminary expenses are not promotion fees. Mr. Fenton represents himself to be a barrister, and cannot in ignorance confound promotion fees with preliminary expenses. He knows that one is legal, the other illegal; but he had a purpose to serve, and, therefore, descends to pen what is not true. Surely, he says, I have no interest in the company. He knows that I am the registered proprietor of 25 shares, and although he has been foolish enough to allege that my holding is not good, he must wait until the Court of Chancery says so, too. In the meantime I shall exercise all the rights of a shareholder. He is not plaintiff and judge alse.

CARNARVONSHIRE CONSOLIDATED LEAD MINES

COMPANY (LIMITED).

TO THE EDITOR OF THE MINING JOURNAL.

SIR,—Not having a list of the shareholders in this company, I must beg of you to permit me to reply, through your columns, to Mr. Roger Fenton's circular to them, in so far as it concerns me.

Mr. Fenton says—"The number of shares in favour of this course (winding-up) was 1150 against the dissentient shareholder holding 200; one shareholder, bolding 60 school creates.

Mr. Fenton says—"The number of shares in favour of this course (winding-up) was 1150 against the dissentient shareholder holding 200; one shareholder, holding 80 shares voted neither way." He does not say what in common honesty he ought to have said—viz., that the 1150 shares include the whole of the shares of himself and his co-committeemen-directors, one of whom, he tells us, holds 500 shares, and is the largest "bona fide shareholder." To put forth 1150 as the approving votes of their course is, therefore, only a continuation of the conduct they have pursued throughout. The shareholders would not expect these worthy gentlemen to vote their own conduct unworthy or unwise; and I am much mistaken if they will not think, with me, that the bona fides of the directors are evinced by their conduct more correctly than by the number of heler shares.

Next, Mr. Fenton says—"As to the statement made in the shareholders letter in the Missing Levening and the statement was the shareholders letter in the Missing Levening and the same and the shareholders letter is the shareholders.

directors are evinced by their conduct more correctly than by the number of their shares.

Next, Mr. Fenton says—"As to the statement made in the shareholder's letter in the Mining Journal of to-day, that these proceedings are intended for the purpose of obtaining the mine from Mr. Thomas at a lower price, it is quite untrue that any such purpose was declared or entertained by any of the directors." This statement of Mr. Fenton's is an unmitigated falsehood. That purpose was declared by himself and by both of his co-committeemen. It was declared and reiterated, and the advantageousness of the result was declared to be that the company would be then better off than now, though even every penny of its present funds should be spent in effecting it. I can only say to Mr. Fenton, as I was obliged to say at the meeting with reference to another director—the man who can, in defiance of truth, make such a statement is not an honourable man. The exposure of this nefarious purpose has induced its abandonment; so far so good, and if the directors stopped there I should not say another word here, but, being unable to attain one end, they now blindly or wickedly seek another that is not better—the depreciation of the property. They call choice bits from Capt. Francis's report, to induce a conviction on the shareholders and the public that the mines are now of very little value. Now, if their intentions are honest, why do they not give the whole of that report ungarbled, and leave the shareholders had been as a conviction on the shareholders and the public that the mines are now of very little value. Now, if their intentions are honest, why do they not give the whole of that report ungarbled, and leave the shareholders do not seen the shareholders and the public that the mines are now of very little value. Now, if their intentions are honest, why do they not give the whole of that report ungarbled, and leave the shareholders and the public that the mines are now of very little value.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

BALLACORKISH.—M. Grose, Feb. 1: The ground in the engine-shaft is frequentable for progress. I cannot see much as the theory experted; it occasionally produces good stones of ore. We have lately met with a beautiful wall on the west side of lead, with a most promising flookan following it; I have not seen anything like it in this part of the mine, and it is to be hoped it will lead us to something of importance; we have been cross-cutting a little to the cast to ascending of importance; we have been cross-cutting a little to the cast to ascending of importance; we have been cross-cutting to the west, and have met with a branch or leader of lack and lead, which is inclining towards the forebreast, so that should it continue in this direction we shall soon meet with it in the end, and there cannot be a doubt but a great improvement will the sole-end, and there cannot be a doubt but a great improvement will the sole-end, and there cannot be a doubt but a great improvement will the sole-end, and there cannot be a doubt but a great improvement will the sole-end, and there cannot be is large, producing occasional stones of lead, but not enough to value; the ground is stiff. Jones's pitch, in back of the 77 north-east, has improved considerably; the lold as it is at present will yield from was looking well a day or two since, but is now poor. Williams's pitch, in the bottom of the 78 south-west, is without change, yielding about 15 cwts, of lead ore per fm. We have 6½ tons of lead ore dressed, to be sold on the 14th inst. BOSWORTHEN PEX/ZANCE CONSOLS—R. Pryor, F. Hosking, Feb. 7: We set the following bargains on Friday last:—found in a great improved on the sold of the set of the sold or the sold on the 14th inst. BOSWORTHEN PEX/ZANCE CONSOLS—R. Pryor, F. Hosking, Feb. 7: We set the following bargains on Friday last:—found in the construction of the sold of the

cher pitches throughout the mine are raising fair quantities of lead ore. We estimate our next sampling to be 40 to 45 tons.

CALDBECK FELLS LEAD AND GOPPER.—H. Francis, Feb. 1: The lode in the 80 fm. level west, on north lode, is worth for lead 2 tons per fm; the ground is hard for progress; driving cost, 1tl. per fm. In the 90 fm. level east, on south lode, we are at present putting in a turn-out for the wagons. We have holed the air-shaft to this level, and shall now commence driving the level east from shaft. The holing of this shaft is an important feature, as it has ventilated to the west of the shaft upwards of 200 fms. of ground, and consequently we shall now be enabled to cross-cut, and prove the lode in several places west of shaft. We are driving the cross-cut north from the 90 fm. level, in order to inter-sect the north lode, east of cannete lode, we are driving a cross-cut at 11t. per fm. We are putting up a new rise in the 90 fm. level, lan order to inter-sect the north lode, for the purpose of ventilation. We are now up from the back of the 90 fm. level about 9 fms.; the rise is being risen at 4t. 5s. per fm. In the winze sinking below the 80 west, on cannete lode, we are driving east from the bottom of the same, at 12t. 12s. per fm.; the lode is worth 1 to 10 cwts. of lead per fm. We are driving this in order to effect a communication with the stopes in the back of the 90 fm. level, for the purpose of ventilation. We are now driving west in the 82 fathom level, on north lode; the end is now in a bar of very hard ground; the lode at present is worth for lead and copper 6 cwts. per fathom; driving at 15t. per fm. The 80 fm. level east, on south lode, is being driven at 4t. 15s. per fm. the lode in this end, for the part carrying, is worth for lead and copper 6 cwts. per fm. The lode in the for fm. level west, on north lode, is worth 1 ton 10 cwts. of lead per fm., driving at 12t. 12s. per fathom. We have cut through the lode we are, therefore, not in a position to give its full value. We have cut

raging appearance, and all operations are being pushed forward with the greatest vigour and economy.

CAPE CORNWALL.—R. Pryor, R. P. Goldsworthy, Feb. 6: Saturday was out pay and setting, which went off satisfactorily. The lode in the 99 end is large and promising in the last 5 fms. opened the lode is more defined, and its underliened so great—it assumes a better appearance as we approach the junction. We are sanguine asto the results on reaching the junction, and when we get fairly into the granite; driving by four men and one boy, at 50s, per fm. The 70 fm. level is without change. We are pushing on towards the caunter with all possible speed, by two men and two boys, at 31. 5s. per fm. We have four men on tribute, at 15s. in 11.

seed, by two men and two boys, at or, or, por sur, 15s. in 14.

CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to CARADON CONSOLS. CARADON CONSOLS.—S. Bennetts, Feb. 5: There is not much alteration to notice in either of the ends at the 90. Clymo's lode in the winze below the 80 continues just as last reported. In the 80 west, on same lode, there is an improvement; the lode continues about 1½ feet wide, is producing more ore, floor, spar is again making its appearance, and is bearing more northerly: these I consider very favourable indications. We have cut through the gossan lode, but have not discovered anything different to that noticed in my last; the points, however, in the granite alongside are many of them coated by the red oxide of copper. I am hoping to see a change for the better in this lode, after passing through those small cross-courses a fathom or two ahead. Stopes without much

through those small cross-courses a fathom or two ahead. Stopes without much alteration.

CARN CAMBORNE.—J. Truscott, Feb. 7: The engine-shaft is set to sink below the 50 fm. level 3½ fms.; this will bring it to a 70 fm, level. The 60 east is poor. The 60 west is worth 81, per fm.; the 60 west, on north lode, 61, per fm.; the 50 west is producing stones of ore; the 40 west, poor; the 30 west, 51, per fathom: the 24 west, 62, per fm. The western shaft to sink below the 30 fathom level 10 fms. The stopes continue to yield fair quantities of copper ore. CENTRAL MINERA.—Thos. Hughes, Feb. 7: Victoria Engine-shaft: The ground in the 40 yard level consists of black limestone and shale; water issues freely from the forebreast, which is favorable for a change in the ground. CLARA UNITED.—John Davis, Feb. 6: Llywernog.—Settings for February: The stope (No. 2) in the back of the 50 to four men, at 75s. The stope (No. 3) ditto to four men, at 75s.; value for lead ore respectively 20 to 25 cwts, per fm. The cross-cut in the 40 (which I expect to hole to the winze in about a week from this date) to four men, at 130s, per fm.; ground is rather tight, and containing branches of lead ore intermixed with blende. There are now nine men in the engine-shaft; the lode here continues 5 ft. wide, and produces 30 cwts, of lead ore per cubic cathom. Two men are employed passing the stuff to the machine-kibbles, so that in future the miners will have all their time devoted to breaking ground. We are in full work at surface, as the machinery is in good order.

CULDRA—F. Prokey. A. Cundy, Feb. 8: Walker's shaft is down 844 fms.

good order. CUDDRA.—F. Puckey, A. Cundy, Feb. 6: Walker's shaft is down $8\frac{1}{2}$ fms. selow the 139; the ground at the shaft at the present time is spare for progress, nonequence of several iron branches crossing the shaft. In the 130 fm. level ross-cut, north-west of the above-named shaft, we have cut into the lode 9 ft.,

and no appearance of the north wall; the first freet, on the south part, is good for this, beyond that point, as far as seen, the lode is producing some very good work; in our next we made shall be a producing some very good work; in our next we wize sinking below the 117 west is 11 ft. wide, and still worth 401, per fm; the winze is very spare for sinking, in consequence of having an increase of water. The lode in the stope to the west of the above-named winze is 9 feet wilde, and worth 281, per fm. for the width of the lode, In the stope in the bottom of the 90, west of Walker's shaft, the lode is 6 ft. wide, and worth 262, per fathom.

Jan 1964 of the pitches are looking pretty well.

DARREN,—Richard Williams, Feb. 7: The lode in the 25 west has not been all taken down, but the part laid open has developed a branch further north than before, and the lode generally, so far, is bearing the same characteristics as in the 15, where we had the ore first on the south side; and as we advanced west, from a given point, it gradually turned off to the north of a leader of spar which we had then and have now. Just after this change in the 15 we came into the here, in the 25, after a little further development, which we are pressing on as fast as we can.

EAGLEBROOK.—H. Tyack, Feb. 2; The cross-cut going north, at the present end of the 30 fathom level west, is now driven about 2 fms. 1 ft., and have reached the south wall of the lode; we have not yetcut into the vein, but intend doing so at once, when I will inform you in my report of next week its size and value. The part of the lode being carried in the 30 fm. level, east of the cross-cut south from the shaft to see if we have Chiverton dary shaft, and operations are consequently suspended here on the lode. We are driving a cross-cut south from the shaft to see if we have Chiverton day shaft, and we hope to resume operations on Chiverton lode shortly.

EAST CHIVERTON.—J. Grose, J. Nancarrow, Feb. 2: Since our last report we have had such a great fail of snow and rain

the back or rise of this level is worth 1½ ton of ore to the fathom. The lode in the winze below the 83 west is worth 4½ ton of ore to the fathom. The lode in the winze below the 84 west is worth 4½ ton of ore to the fathom. The lode in the 75 eross-cut north. Then 14 was, with mundle, &c. There is no change in the 75 eross-cut north.

EAST WHEAL LOYELL.—R. Quentrall, Feb. 6: The mine continues to open ont very satisfactorily. The having advanced yesterday 2½ perton, and presenting an upward tendency, will considerably increase the value of the property. S. EAST WHEAL RUSSELL.—J. Goldworthy, Feb. 6: Through some unknown of the 15 hours, during which time the water rose, to study the state of the 130; it is now in fork if ms. below the 140. There is still a little atte to clear before the driving of the 140 cast can be resumed, and it will take some three in four days before the lode can be seen, when we hope to be able to report a good course of orc; value when last seen 25½ per fm. The ground in the 160 m four days before the lode can be seen. 25½ per fm. The ground in the 160 m four days before the lode can be seen. 25½ per fm. The ground in the 160 m four days before the lode can be seen. 25½ per fm. The ground in the 160 m four days before the lode can be seen. 25½ per fm. The ground in the 160 m four days before the lode can be seen. 25½ per fm. The ground in the 160 m four days and the 150 m f

are also about the same as last week. The end east in the vein is still poor. I intend to begin to rise in this vein next week. We have got on with the dressing this week, the weather being favourable.

HINGSTON DOWN CONSOLS.—Thos. Richards, Feb. 6: In the 140, east of Bailey's engine-shaft, there is no change. The stope in the bottom of the 130 east is worth 55t. per fm. The stope in the bottom of the 130 east is worth 55t. per fm. The stope in the bottom of the 130 east is worth 55t. per fm. The stope in the back of the level are worth 20t. per fm. The stope in the back and bottom of the 120 east are worth 20t. per fm. The stope in the back and bottom of the 120 east are worth 20t. per fm. The stope in the back of the 120 west is worth 18t. per fm.

LADY BERTHA.—Capts. Harper and Metherell, Feb. 7: The lode in the 41, east of shaft, is about 2 ft. wide, composed of peach, quartz, mundic, and ore, worth for the latter 6t, per fm. In the 30 east we are driving by the side of the lode; ground rather hard for exploring. No other change.

LOYELL CONSOLS.—W. Chappell, Feb. 7: The lode in the 12 end west is at present disordered by the influence of the great cross-course, which is from 6 to 7 fms. wide; as soon as we get west, and the lode settled, I have no doubt we shall be able to report a valuable lode. The men are making good progress in rising in back of the cross-cut to hole to the perpendicular shaft, and as soon as holed we shall be able to set tribute ground in back of the 12, as well as continue the cross-cut north at the adit level, to unwater the north-castern shaft, and cxtend east and west on the Old Wheal Lovell main lode, which crossed the cross-cut and run the level together, and we see some rich stones of thin washing back from the lode, but cannot clear and secure the cross-cut in the two cross-cut and run the level together, and we see some rich stones of thin washing back from the lode, but cannot clear and secure the cross-cut in the the cross-cut to function the cross-cut to fine and pitwork

sionally stones of lead.—Williams's Shaft: The lode in the 40 yard level north has very much improved for lead, and bids fair for becoming a productive lode. It is 2 feet wide, composed of red lova. The lode in the 82 east from the winze, is 2 feet wide, composed of red lova. The lode in the 82 east from the winze is 2 feet wide, composed of red lova. The love is 10 feet wide of the love of the winze is to provote one measure at this depth the large lode driven over in the level above. The lode in the 72 east is still very large, not baving seen the north wall for some time past. The south part, on which we are driving the level, is 4½ feet wide, composed principally of quartz, red iron, and a small quantity of grey ore. We have, however, just met with a vugh in the forebreast, which as far as seen seem to have produced a change in the character of the lode, insamuch as gossan, spar, and iron, accompanied with a smail quantity of prian, associated with small knobs of grey ore, seem to take the place of the hard quartz for therefore the said vugh has really had on the character of the lode, which, however, I regard with more favour than hard quartz for the production of grey ore. We can resume the winze below the 62 by removing the men from either of the ends, great with more favour than hard quartz for the production of grey ore. We can resume the winze below the 62 by removing the men from either of the ends, resent the dressing department, I am sorry to any ore making much progress in the classing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any ore making much progress in the dressing department, I am sorry to any or making much progress and the dressing department, I am sorry t

are worth 122, per fathom for till. The so week is without change to folice. Carter's winze, in the bottom of this level, is worth 202, per fathom for till. Gard's winze, in the bottom of the 80, is producing saving work for till. The atopes in the back of the 80 are worth 102, per fathom for copper and till. The 50 week is producing stones of copper ore. The stopes in the back of this level are worth 102, per fathom for copper and till. The 50 week is producing saving work. The stopes in the back of this level are worth 82, per fathom for copper. The 70, east of Hosking's, is improving for copper, now worth 122, per fathom for copper and till. No change in the 60 or 80 fm. levels east. The pitches are looking much the same as usual.

LADY BERTHA.—Capts. Harper and Metherell, Feb. 7: The lode in the 44, seast of shaft, is about 2 ft. wide, composed of peach, quartz, mundic, and ore, worth for the latter 64, per fm. In the 30 east we are driving by the side of the lode; ground rather hard for exploring. No other change.

LOVELIA CONSOLS.—W. Chappell, Feb. 7: The lode in the 12 end west is at present disordered by the influence of the great cross-course, which is from 6 to 7 fms, wide; as soon as we get west, and the lode settled. I have no doubt we shall be able to report a valuable lode. The men are making good progress in rising in back of the cross-out to hole to the perpendicular shaft, and as soon as holed we shall be able to set tribute ground in back of the 12, as well as continue the cross-cut north to cut Trevenen north lode, which is only about 5 fms. north of the persent shaft. I hope before long to be able to continue the clearing of the cross-cut north at the adit level, to unwater the north-castern shaft, and extendes at and west on the Old Wheal Loveli main lode, which crossed the cross-cut north at the adit level, to unwater the north-castern shaft, and extendes at and west on the Old Wheal Loveli main lode, which crossed the cross-cut hole, but cannot clear and secure the cross-cut until the surface water from the lode, but cannot clear and secure the cross-cut until the surface water hole, and good progress is being made; the water continues the same as a state.

MINERA UNION.—Wm. T. Harris, Feb. 7: Pouglas's Shaft: The ground is a last reported. The cross-cut in the 40 yard level jelds some good stones of lead—a very promising lode. The lode in the 50 ground stellen, and yielding good stones of lead—a very promising lode. The lode in the 50 ground stellen in the 40 yard level elode in the 50 ground in the stopes above the 90 fm. level since last reported. The lode in the 60 ground is leading the same about 20 in the stopes above the 90 fm. level since last report. The lode in the 50 ground in the cross-cut to the lode of th

70 fm. level, west of sump, and are making good progress in driving. The pitches

east shaft, yields a little tin, but not to value; however, the ground is also easler for driving, and a better lode is fully expected to be found here soon. The stope in this back is worth 12t, per fm. No. 2, 15t; No. 3, 16t; No. 4, 17t; No. 5, 5t; and No. 6, 6t, per fathom.

TREWEATHA.—Thomas Foote, John Scoble. Feb. 6: Setting Report: Friday last being our monthly setting-day, the following bargains and pitches were set—The 40 south, to six men, 2 fathors for low large and pitches were set—The 40 south, to six men, 2 fathors down a set of the 10 set of 40 south, to six men, 2 fathors down a set of the 10 set of 10 s

breaking away, and the loce is producing good stones of copper ore; the norse of ground has nearly cut out, and I am expecting a great improvement at this point. The caunter lode is just the same.

WEST WHEAL KITTY.—W. Vivian, Feb. 6: We have about 60 tons of tinstuff to sample to-morrow, and will send you the account of it in a few days. WHEAL AGAR.—G. Lightly, Feb. 6: Old Whim-shaft: In the 140, driving east, the lode is 2½ ft. wide. In the winze sinking under the 130 it is 2 ft. wide, and in the 120, driving east, it is 2 ft. wide, at each of these points, yielding a little tin, saving work.—Western Shaft: At the 110, driving east, the lode is of no present value. At the 90 east the lode is 3 ft. wide, saving work for tin. We sell to-morrow. Feb. 7, 103 tons of tinstone.

WHEAL CREBOR.—J. Gifford, Feb. 5: Since the last general meeting the 120 east has been driver. 4 fms. 3 ft. by the side of the lode, being now 3½ fms. from shaft, and we intend to continue driving by the side of the lode until reaching the cross-course, when we shall cross-course he lode. The 120 west has been driven 9 fms. 4 ft., being now 16 fms. 4 ft. from shaft; the western cross-course intersected, and the lode cut through in the eastern side, the same being 4 ft. wide, principally capel, with spots of mundic and copper ore intermixed, but of no value. The cross-course is cut through, and the lode intersected on the western side, of a very kindly appearance, being 4 ft. wide, composed of capel, quartz, and mundic, with stones of copper ore. We intend pushing this

end with all speed by a full pare of men, so as to get under the great course of mundic as soon as possible said to be in the bottom of Kelly's shaft. The 10s east has been driven 5½ fms.; lode 2 ft. wide, composed of capel, quartz, and mundic, with good stones of ore intermixed; hero we may reasonably expect a change for the better, as all the water in the level above is going down through the lode some 16 fms. in advance of the present level. The 96 cross-cut south towards the Buctor lode has been driven 5½ fms., being now 92 fms. from shaft; the ground favourable for driving: present price 3ℓ. 18s. The 96 east has been driven 6½ fms.; the lode is 2½ ft. wide, composed of quartz, capel, and mundic; 1½ foot of the south part producing saving work for copper ore. At the last meeting we expected a good lode in this end before now, but, although disappointed, we firmly believe we are now very near it, from the present kindly appearance of the end, and the large orey lode gone down in the bottom of the level above. Bartlett's winze, in the 96 east, has been communicated with the 10s, which has opened up good tribute ground, and expect to set to a pare of men next week. Another winze has been commenced about 40 fms. in advance of Bartlett's, and 20 fms. in advance of the 10s fm, level end; lode 2 ft. wide, composed of capel, quartz, and mundic, with spots of copper ore intermixed, and a large quantity of water issuing from the end; this we consider a very favourable indication. We have two pitches working in back of the 5t east. No. 1. by two men, at 11s. tribute, and 12s. 6d. produce; No. 2, by two men, at 7s. tribute, and 12s. 6d. produce, and expect to set two more pitches in a few days. We sampled on Jan. 29 (computed) 55 tons of copper ore, the assays of which you have at the office, and have about 20 tons more broken on the mine, and also 90 tons of arsenical mundic. Looking at the mine altogether, I consider the prospects are more encouraging than they were at the last meeting. WHEAL BUILER.—James Inch, Feb.

parts of the mine are without much alteration. We are pushing on as fast as possible with the flat-rods.

WHEAL GRENVILLE.—G. R. Odgers, Wm. Bennetts, Feb. 2: There is no change in any place in this mine since our last report. Since we met the branch in the 90 cross-cut north that we mentioned in our Thursday's advice the ground has eased, and of the same favourable character for metalliferous ores should a lode be met with.

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lode be met with.

— G. R. Odgers, Wm Bennetts, Feb, 7: In the 90 cross-cut north we have intersected another branch, which is dipping a little north, and which we think is a dropper to the lode.

WHEAL KITTY (Uny Lelant),—W. Rosewarne, Feb. 7: North Russoc Lode: The lode in the winze sinking below the 140, west of cross-cut, is worth 41, 10s, per fathom. The lode in the 130, east of Boiltho's rise, is yielding a little tin.—Gowan Lode: The lode in the 90, east of Rogers' shaft, is worth 44, 10s, per fathom.—North Gowan Lode: The lode in the 60, west of Rogers' shaft, is worth 44, 10s, per fathom.—North Gowan Lode: The lode in the 60, west of Rogers' shaft, is vopening tribute ground. The lode in the 50, east of rise, west of Rogers' shaft, is opening tribute ground. The lode in the 50, west of rise, is worth 32, per fm.—South Russoe Lode: The men at the boundary shaft are at present employed cutting a plat at the 29: the lode is producing stamping work of average quality.

WHEAL KITTY (8t. Agnes).—S. Davey, Wm. Polkinghorne, Feb. 2: No change in the 82, driving west of shaft, the lode is becoming more sottled as it gets out of the influence of the cross-conrese. In the 65, driving cast of shaft, the lode is becoming more sottled as it gets out of the influence of the cross-conrese. In the 65, driving cast of shaft, the lode is the winze shaft, she lode is 1 ft. wide, and worth for tin 71, per fm. The lode in the winze shaft, be lode is 3 ft. wide, and worth for tin 71, per fm. The lode in the winze shaft, be lode is 3 ft. wide, and worth for tin 4. per fm., with a more kindly appearance.—V heal Vottle Lode: In the 44, driving west of shaft, the lode is late, wide, and worth for tin 4. per fm. The lode in the winze shaft of cross-cut, the lode is 1\frac{1}{2}, ft. wide, and worth for tin 14. per fm. In the 44, driving east of shaft, the lode is 1\frac{1}{2}, ft. wide, and worth for tin 4. per fm. The the same level, driving west of shaft, the lode is upproductive.

WHEAL MARGERY.—R. James, W. Rogers, Feb. 7: At

Lode: In the 44, driving west of cross-cut, no lode has been taken down during the week. In the 24, driving east of cross-cut, the lode is 1½ ft. wide, and worth for tin 44, per fm.; in the same level, driving west of ditto, the lode is unproductive.

WHEAL MARGERY.—R. James, W. Rogers, Feb. 7: At the American shaft, sinking below the 165, the capel part of the lode has not been taken down since our last report. A leader of tin is again coming into the shaft; at present it is 8 inches wide, and will yield I cwt. of black tin to the ton of stuff. In the 155 west the lode has improved, and worth 10t. per fathom for copper ore. The tribute is quite equal to last report.

WHEAL MARY ANN.—P. Clymo, J. Harris, J. Stevens, Feb. 7: Clymo's shaft is sunk 9½ fathoms, under the 220; the cross-cut in this level is extended 17½ fms. towards the lode. In the 210 north the lode is 2 feet wide, worth 44, per fm.; in the same level south it is 3½ feet wide, worth 16. per fm. In the 200 north the lode is 1½ foot wide, worth 94, per fm.; in the same level south it is 4 feet wide, worth 16. per fm. In the 120 north the lode is 1 foot wide, worth 17. per fm.; in the same level south it is 4 feet wide, worth 18 per fm. In the 130 north it is 2½ feet wide, worth 44, per fm. The stopes and pitches are producing much as usual.

WHEAL SPARNON.—W. Tregay, E. Chegwin, Feb. 2: Jardine's Shaft: The 130 north it is 2½ feet wide, on Pulsford's lode, is now worth 12. per fathom. In the 20 fm. level rise the lode is unproductive.—Old Sump: The north lode in the 45, east of cross-course, produces stones of copper ore. The same lode in the 45, west of cross-course, produces stones of copper ore. The same lode in the 45, west of cross-course, produces stones of copper ore. The same lode in the 45, west of cross-course, produces stones of copper ore. The same lode in the 45, east of cross-course, produces stones of copper ore. The same lode in the 45, east of cross-course, produces stones of copper ore. The same lode in the 45 cast of cross-course,

FOREIGN MINES.

ST. JOHN DEL REY.—Produce, second division of Dec., ten days, 14,562 olts.; yleid, 8-414 olts per ton.

14,002 ofts.; yield, 8'414 ofts per ton.

Don Pedro North Del Rex Gold.—Capt. T. Treloar reports—
By our gold troop, which left on Dec. 26, I forwarded for delivery to Messrs. John
Moore and Co. 18,210 ofts. of gold dust_2101 ozs. troy. This exceeds the last remittance by 5114 ofts. Our mining operations have presented no change since
last reported calling for special remark. At Maquine no veinstuff for the washhouse has been obtained, but the general work continues to yield satisfactorily.
The produce cleaned up to the 24th ult. for the gold troop amounted to 4885 ofts.

Anglo-Brazilian Gold.—Capt. T. Treloar reports—On Dec. 26 Iforwarded to Messrs. John Moore and Co. a remittance amounting to 8482 oits, of gold =978 ozs. troy. This, I hope, will give satisfaction, as it exceeds the former one by 2935 oits. Operations are progressing satisfactorily. Dawson's canoa has more killas intermixed with the lode. At the Buraco Secoo no alteration has taken place since last advised. We have encountered another body of lode in driving the deep adit, of a most promising appearance, but whether it is a branch or a canoa under the main lodes it will require time to develope.

of lode in driving the deep adit, of a most promising appearance, but whether it is a branch or a canoa under the main lodes it will require time to develope.

GONNESA.—R. W. Rickard, Jan. 12: San Giovanni Mine—No. 1 Lode: Taylor's cross-cut is being extended rapidly by six men, and by the end of this or the beginning of next month will intersect the lode. The lode in both ends is good, and yields 3 tons of ore per fathom. The western end of Victor Emanuel level has been advanced 9 metres during the month, on a lode worth on an average 2 tons of ore per fathom. Within the last few days a decided improvement has taken place in the appearance of the lode in this end, and it may now be estimated at 3½ tons of ore per fathom. This level has been driven eastern wards 4 metres, in promising but unproductive ground. The stopes over and under this level employ 108 men; they are at present looking remarkably well, and the yield per cubic fathom has averaged 4½ tons of ore ground in this immediate vicinity that we intend to push on a good level westward into the mountain, which cannot fall to prove one day a good outlet for the ore broken in this part of the sett, irrespective of what it may produce itself. The lode in the bottom of Alfonzo's shaft is large and promising, but almost unproductive in the bottom of Alfonzo's shaft is large and promising, but almost unproductive in the same than the westward on this branch, which we think will prove to be the lode.—No. 3 Lode: The San Barbe's level westward having passed the crush mentioned in our last is now being driven in a north-westerly direction. In a short time we expect to find the state of the level, and the main put to drive westward on this branch, which we think will prove to be the lode.—No. 3 Lode: The San Barbe's level was a grant has been lengthened the month.—Gonnesa Dressing-floors: A considerable delay was occasioned here at month by the engine, sowed in the flues of the bottom of the lode; 6 metres 30 c. have been driven here during the month.—Bottom of t GONNESA.—R. W. Rickard, Jan. 12: San Giovanni Mine—No. 1

extended 42 metres in the month. Owing to the cutting of some old workings made in the same direction as the intended cross-cut, these 42 metres were made for a trifle less than 12 frs. per metre. This cross-cut will interesct a lode in about 15 metres more, which will be drawn in the course of a month or six weeks. This lode at surface, and at an old shart sunk on it, is orey, and will be taken away to good profit as soon as properly opened out on by the cross-cut and levels from the same. This cross-cut will intersect it at about 45 metres from its outcrop. In conclusion, we beg to say that the company's property, on the whose, never presented a more prosperous appearance than it does at the present time. The raisings of ore for December were about 520 tons, and for this month will be about 640 tons. extended 42 metres in the month. Owing to the cutting of some old workings made in the same direction as the intended cross-cut, these 42 metres were made

BRITTANY SILVER-LEAD.—James Trevillian, Feb. 5: The engine-BRITTANY SILVER-LEAD.—James Trevillian, Feb. 5: The engine-shaft sinking below the 44, by twelve men, is down over 6 fms., and I am glad to inform you that a decided change has taken place for the better within the last 3 ft. sinking, where the lode is 3 ft. wide, with a good leader of lead from 6 to 10 in. wide, worth fully 30 evts. of lead per fm,, and still continues to improve. In the 44 north the lode is about 8 in. wide, producing stones of lead occasionally, with favourable ground for exploring; driving by four men. We have two stopes working in back of the 44; No. 1 stope, north of shaft, will yield 5 cwts. of lead per fm.; stoping by four men. No. 2 stope, south of shaft, will yield 4 cwts. of lead per fm.; stoping by two men. In the adit level, south of shaft, the lode in the present end is small, owing to a large elvan course now driving through, which is hard and spare for progress; driving by four men.

lead per fm.; stoping by two men. In the adit level, south of shaft, the lote in the present end is small, owing to a large elvan course now driving through, which is hard and spare for progress; driving by four men.

PONTGIBAUD.—W. H. Rickard, Feb. 2: Roure: The cutting of the 125 metre level plat, at Richard's shaft, has gone on well. We have intersected a part of the lode, which produces stones of ore. The 100 north is suspended, and the men put to cross-cut westward, to intersect Emily's lode. The same level south is poor. The 80 south is in a kindly lode, 2 feet wide, yielding stones of mundic, spotted with lead ore. The rise in the same level north is soft and poor. The 80, south of cross-cut, on Emily's lode, opens tribute ground. The 60 south yields 1½ ton of ore per fathom. The rise in the back of the 40, south of Agnes' shaft, over the end, yields ½ ton of ore per fathom. The winze in the bottom of this level yields 1 ton of ore per fathom. The 20, south of Virginio's shaft, is in a strong quarizy lode, which yields nothing of value. The adit and stollen ends south are unproductive. We have now working in this mine 12 stopes, which, with 24 tribute pitches, give a pretty good supply of stuff or the laveries—La Grange: The lode at Nosky's engine-shaft, sinking below the 60 metre level, yields from 1½ to 2 tons of ore per fathom. The 60, north of shaft, yields ½ ton of ore per fathom. The some level south is poor. The 40 metre level north is in a kindly lode, yielding stones of ore. The 20, north and south of shaft, is poor. Our stopes and tribute pitches in this mine yield a full supply of rather coarse quality stuff.—Micehe: The adit north, on No. 6 lode, is suspended for want of air, and the men put to sink the shaft from surface, for ventilation. The adit, south of railway level, is without change.—La Brousse: We have cut the lode in the 60 metre level, which yields 4 tons of ore per fathom. The same level, on the eastern part of the lode, yielding 2 tons of ore per fathom. Our northlevels are poor.

well on the whole. Our searrace works have been suspended because of the severity of the weather. We have been able to dress without much interruption, by keeping up large fires night and day. The weather is now favourable for dressing. Our samplings have amounted to 307 tons.

LUSITANIAN,—Jan. 29: The lode in Taylor's shaft is worth 2 tons per fathom. The lode in River shaft is disordered by the Mill lode. In the 60, west of Oak shaft, the lode is composed of flookan, quartz, and stones of copper ore, but nothing to value. The lode in the 100, west of Taylor's, is worth 2 tons per fathom. The 100 west is composed of quartz and ore. The lode in the 90 east is composed of dry flookan. The 80, west of No. 61 winze, is worth 1 ton per fathom. In the 28, west of Perez' shaft, the lode is split into branches. In the 70, east of slide lode, the lode is worfh ½ ton per fathom. The lode in the 28, east of slide, is composed of quartz, with mundic and spots of lead. The 80, east of Taylor's, is now under No. 62 winze, and as we can clear the stuff we shall commence to rise; there is about 1½ fathom to hole. The ground in the 28, east of Mary is a far hard gneiss.—Stopes: The lode in the stope above the 18, west of Fonsaca's winze, is worth ½ ton per fathom. The lode in the stope above the 18, west of Fonsaca's winze, is worth ½ ton per fathom. The lode in the stope above the 18, east of Fonsaca's winze, is worth ½ ton per fathom. The lode in the stope above the 90, east of Domingo's winze, is worth 11 ton per fathom. The lode in the stope above the 90, east of Domingo's winze, is worth 11 ton per fathom. The lode in the stope above the 90, east of Norte's winze, is worth 14 ton per fathom. The lode in the stope above the 90, east of Norte's winze, is worth 14 ton per fathom. The lode in the stope above the 90, east of Taylor's shaft, is worth 14 ton per fathom. The lode in the stope above the 90, east of Taylor's shaft, is worth 14 ton per fathom. The lode in the stope above the 90, east of Taylor's shaft, is worth 14 t

we are thinking to put a rise through to the 20, to prove the lode and ventilate the levels.—Figuierdo Mine: In the 20 metre level, east of Henry's shaft, the lode is 4 feet wide, of which there is 1½ foot composed of quartz and prian, mixed with a little mundie. Under the lode there is some ground that runs like slime with the water, but we hope it will not continue long.

ROSSA GRANDE GOLD.—Messrs, Alexander Fry and Co. (Rio de Janeiro, Jan. 8): We fully anticipated in our last that this steamer would take you the advise of the conclusion of the long-delayed transfer of the Rossa Grande Estate to the names of the trustees. So far as we are concerned, everything is ready for signing the conveyance before the notary. We have paid the Treasury ready for signing the conveyance however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Viscondessa de Santa Amarcon however, informed us that the attorney of the Conveyance, as the document will be signed in the course of a day or two.

Capt. Brokenshar (Rossa Grande, Dec. 23): The new stamps are erected on the site of the old ones of 10 heasts, which you will perceive by referring to the major be as near as possible ½ mile from the second workings, and a similar dislote to be added to the measurement of the road. I am glad to heaven to the property, as it will remove all doubts as to action, and give confidence to the shareholders. Fry and Co. hope very soon now to proceed with the transfer of the property, as it will remove all doubts as to action, and give confidence to the shareholders. Fry and Co. hope very soon now to proceed with the transfer of the property, as it will remove all doubts as to action, and

PARIS EXHIBITION, 1867.—In order that all useful mechanical novelties connected with mining and metallurgy, or with the sciences allied thereto, may be fully described in the *Mining Journal*, the Editor has made arrangements to send a special representative to Paris, to make the necessary examination of the machinery, apparatus, &c., exhibited. To facilitate such examination, it is most desirable that exhibitors should supply, as soon as convenient, medesirable that exhibitors should supply, as soon as convenient, mechanical descriptions of their inventions, &c., which will be regarded as confidential communications until the articles referred to have been examined. Communications may be forwarded either direct to the Office, 26, Fleet-street, London, or to the care of Messrs. Vimeux, Stouff, and Co., Bankers, 3, Rue Daval (Beaumarchais), Paris.

RAILWAYS AND MINES.—The amount of the duty imposed on railway traffic for the year ending March 31, 1866, was 463,023*l.*, as compared with 439,332*l.* in the year ending March 31, 1865. This duty is 5 per cent. on the receipts from passenger traffic. The gross receipts of the railway companies of Great Britain in the year ending March 31, 1864, were 32,433,958*l.*, and the duty paid by them was 430,865*l.*, or 1·3 per cent. on their earnings. The nett income of the railway companies in 1863-4 was 17,511,000*l.*, so that the duty imposed absorbed 2·4 per cent. of their profits. The increase in the annual value of the mines of Great Britain, comparing 1864 with 1853, was 1,934,000*l.*, showing an increase of 68·85 per cent., or 6·26 per cent. per annum. Making a similar comparison with regard to ironworks, we find an increase of 513,000*l.*, or 39·92 per cent., or 3·63 per cent. per annum. The mines of the home empire were assessed, per cent, per annum. The mines of the home empire were assessed, in 1853, at 2,809,733*l*.; in 1857, at 3,822,369*l*.; in 1861, at 4,356,698*l*.; and in 1864, at 4,743,406*l*.

LOCOMOTIVES ON RAILWAYS.—At the close of 1865 the number of locomotives owned by the 14 principal railway companies of Great Britain and Ireland compared as follows with the corresponding number owned at the close of 1864:—Great Eastern, 374, against 376; Great Northern, 391, against 340; Great Western, 727, against 697; Lancashire and Yorkshire, 414, against 398; London and North-Western, 1251, against 1187; London and South-Western, 219, against 207; London, Brighton, and South Coast, 213, against 203; Manchester, Sheffield, and Lincolnshire, 201, against 179; Midland, 530, against 512; North-Eastern, 769, against 663; South-Eastern, 218, against 121; Caledonian, 363, against 262; North British, 331, against 181; and Great Southern and Western (Ireland), 101, against 100. The total number of locomotives at work upon English railways at the close of 1865 was 5968, against 5708; upon Scotch railways, 1026, against 1072; and upon Irish railways, 420, against 423. LOCOMOTIVES ON RAILWAYS.—At the close of 1865 the number of

COAL MARKET .- The arrivals this week have been considerable numbering 213 ships. This large supply, and mild weather, rendered a reduction in the price of house coals indispensable, and we quote is per ton lower, at which a large business was done. Hartley's varied per ton lower, at which a large business was done. Instally 8 values but little in price, and have been a dull sale. Hetton Wallsend, 19s.; East Hartlepool Wallsend, 18s. 3d.; Braddyll's Wallsend, 17s. 3d.; Gosforth Wallsend, 16s. 3d.; Hetton Lyons Wallsend, 16s. 3d.; Kelloe Wallsend, 16s. 9d.; Framwellgate Wallsend, 16s.: 18 cargoes

unsold; 90 ships at sea.

The general result of last year's trade showed a considerable in crease in the foreign exportation of coal, the main portion of which appears to have gone to French and Mediterranean ports.

CONTRACTS FOR COAL AND COKE.—The Admiralty require the supply of 6400 tons of Coal, and 750 tons of Coke, for brickmaking; also 1500 tons of Coal, to be delivered at Chatham.

EAST WHEAL ROSE CONSOLS.—As will be seen by the details of the special general meeting (which appears in another column), a resolution was passed, approving the agreement of the vendors to accept a reduced cash payment and a large number of shares. The report of Captain R. Nancarrow, of West Chiverton, was regarded as most satisfactory, and the greatest confidence was expressed in the speedy success of the enterprise. Vigorous operations will be the speedy success of commenced forthwith.

PROSPER UNITED.—The general meeting is to be held on the 26th inst., when a dividend of, at least, 5s. per share will be paid, with every prospect of keeping up that amount. We understand that more ore is being discovered than is taken away, while various points are improving, and different lodes will shortly be intersected at several places, where important results may be expected.

YUDANAMUTANA COPPER COMPANY .- The Conatto, from Port Augustus, South Australia, has arrived, and brings about 40 tons of copper and 28 tons of ore for this company. The Goolina, from Port Adelaide, now about due, has on board 21 tons of copper and 10 tons

of ore, also for this company.

GOLD MINING IN BRAZIL.—The news received by the Anglo-Bra-GOLD MINING IN BRAZIL.—The news received by the Anglo-Brazilian Gold Mining Company by the last mail is highly satisfactory. It is considered that the new lode in the deep adit cannot fail to result in an exceedingly valuable discovery before long, insuring for this company as successful a career as that of the St. John dei Rey has been. The prospects of the Don Pedro North dei Rey are also excellent, the present increasing returns ensuring before long a handsome dividend. Great praise is due to Capt. Thomas Treloar for bringing these two mines into their present prosperous condition, which will, beyond doubt, be permanent.

MINING, AND ITS PROSPECTS—(From Mr. Peter Watson's "Weekly Mining Circular and Share List," No. 410, Vol. IX.)—"The Mine Share Market continues active, although values were comparatively depressed some day or two prior to the 'settling day." This is sure to be the case when such a great advance in prices as those I have of late resorded has taken place, because while the purchases are made at different periods during the account 'the sales, or at least a very large proportion of them, are effected, and profits realised, some two or three days only before 'the account;' so that, unless there are buyers of a corresponding amount of stock at that particular period, the inevitable effect must be a decline in market value. These continual fluctuations, however, affect only speculative purchasers—those, indeed, whose operations produce them—but at the same time these variations of times afford the bona fide holder opportunities of making advantageous purchases. As in the case of the last' account, these depressions are temporary in their character, for during the past week most descriptions of shares that are being largely dealt in upon the market have advanced to their former value, and in some cases a further improvement has taken place. The demand that has recently sprung up for divide ad and progressive mines has this week been simulated by a further rise it, the standard of tin ores. This steady advance in the price of metals will continue to have a beneficial effect upon the value of mine shares. While upon this subject, I may state what is not generally known to the public; it is based upon information obtained from an old and respected correspondent, than whom no better authority upon the subject can be quoted. He states, 'I still adhere to my opinion that the will go up this year 20t, per ton; there will be a steady and gradual advance throughout the year.''

COST-BOOK SYSTEM-RELINQUISHMENT OF SHARES.-It has been COST-BOOK SYSTEM—RELINQUISHMENT OF SHARES,—It has been decided by Mr. Registrar Pepys, of the Court of Bankruptey, that the relinquishment of a cost-book share is not completed until the proportion due from the shareholder to the company has been paid. Mr. Haise (Haise, Trustram, and Birt) tendered a claim on behalf of Mr. Michell, Registrar of the Stannaries Court, for unpaid calls, owing by the bankrupt to him as liquidator in the winding-up of several mining companies. Mr. Lawrence (Lawrence, Plews, and Boyer) contended as to the proofs for calls that the bankrupt having, as he alleged, relinquished his shares no calls could be made upon him, but this point was answered by Mr. Haise, on the ground that although in a cost-book mine shares may be relinquished at any time on payment of the shareholder's proportion of the liabilities of the mine at the time of relinquishment, no such paytion of the liabilities of the mine at the time of relinquishment, no such payment had been made in any of these cases; and that after the making of a winding-up order no transfer or relinquishment of shares is of any validity. The registrar admitted the proofs.

TRANSFERROR'S LIABILITY AS A CONTRIBUTORY .- In re the Con ract Corporation (Head's case), a transfer of shares was executed in blank, and afterwards filled up with the name of the transferree, who, however, never took steps to have his name registered, and the name of the transferror remained on the list when the winding-up order was made. It was held by the Master of the Rolls that the transferror was not entitled as against the company to have the transferree's name substituted for his as a contributory.

CORNISH PUMPING ENGINES .- The number of pumping-engine reported for Dec. is 25. They have consumed 2108 tons of coal, and lifted 160 million tons of water 10 fms. high. The average duty of the whole is, therefore, 51,00,000 lbs., lifted 1ft high, by the consumption of 112 lbs. of coal. The following engines have exceeded

average daty.	
Chiverton-Cookney's 60 in	57
Cargoll Mines-Michell's 72 in.	57
Chiverton Moor-70 in	56
Crane-70 in	51
	58
	52
South Wheal Frances-Marriott's 75 in	53
	64
	63
Wheal Seton-Tilly's 70 in	78

The Mining Market; Prices of Metals, Ores, &c.

METAL MARKET-LONDON, FEB. 8, 1867.

COPPER. £ s. d. £ s. d.	IRON. Per ton.
nest selectedp. ton 65 0 0- 61 0 0	Bars Welsh, in London 6 7 6- 6 10 0
Tough cake and tile 83 0 0- 85 0 0	Ditto, to arrive 6 10 0
Sheathing & sheets. 87 0 0-88 0 0	Nail rods 7 0 0-8 0 0
Bolts 93 0 0	Staffd, in London 7 15 0- 8 10 0
Bottoms 96 0 0	Bars ditto 7 15 0- 9 10 0
Old (Exchange) 77 0 0	Hoops ditto 8 15 0- 9 15 0
Burra Burra 86 0 0- 87 0 0	Sheets, single 9 10 0-11 0 0
Wireper lb. 0 1 01/2	Pig No. 1, in Wales 4 5 0-4 10 0
Tubes , 0 10	Refined metal, ditto 4 0 0-5 0 0
BRASS. Per lb.	Bars, common ditto 5 10 0-6 0 0
Sheetsper lb. 10d	Do. mrch. Tyneor Tees 6 10 0
	Do., railway, in Wales 5 5 0- 5 10 0
Tubes	Do., Swed. in London. 10 5 0-10 10 0
and the same of th	To arrive 10 10 0
Yellow Metal Sheath.p. lb. 71/4d73/4d.	Pig, No. 1, in Clyde 2 14 9-3 6 6
Sheets , 71/4d	Do. f.o.b. Tyne or Tees 2 9 6
SPELTER. Per ton.	Do. Nos. 3,4,f.o.b. do. 2 6 6-2 7 0
	Railway chairs 5 10 0- 5 15 0
Foreign on the spot£21 15 0- 22 0 0 , to arrive 22 5 0	" spikes11 0 0-12 0 0
ZINC.	Indian Charcoal Pigs,
In sheets 28 0 0	in London p. ton 7 0 0-710 0
	STEEL. Per ton.
TIN.	
English blocks 90 0 0	Swed., in kegs(rolled)14 0 0-14 10 0 (hammered)16 0 0-16 10 0
Do., bars (in barrels) 91 0 0	Ditto, in faggots16 10 0-17 10 0
Do., refined 93 0 0	English, spring19 0 0-23 0 0
Banca 88 0 0	
Straits£85 0 0- 86 0 0	QUICKSILVER (p. bottle) 6 17 0-7 0 0
TIN-PLATES.* Per box.	LEAD. Per ton.
C Charcoal, 1st qua. 1 12 0- 1 13 0	English Pig, com19 15 0
X Ditto, 1st quality 1 18 0- 1 19 0	Ditto, LB
C Ditto, 2d quality 1 8 0	Ditto, WB22 15 0
X Ditto, 2d quality 1 14 0	Ditto, sheet20 10 0
C Coke 1 4 6-1 6 0	Ditto, red lead21 5 0
	Ditto, white27 0 0-30 0 0
X Ditto 1 10 6- 1 12 0	
Canada plates, p.ton13 10 0	Ditto, patent shot 23 0 0
Canada plates, p.ton13 10 0	

REMARKS.—The Metal Market has again been rather quiet during the past week, and business has not been by any means active. On Thursday the directors of the Bank of England, at their usual weekly meeting, reduced the rate of discount to 3 per cent. This increased easiness in the Money Market ought to have the effect of increasing easiness in the Money Market ought to a per cent. In is increasing business, as it offers considerable facilities for commercial operations, and enables transactions of a speculative character to be carried out without difficulty. We trust that as the spring advances we shall find these facilities are being taken advantage of, and that a much more extensive business is being done in metals than has been the case for some months past. Such, however, has been the great derangement of business consequent upon the unfortunate affairs of last year, that it must necessarily be some time before the metal trade will entirely recover itself, and before we shall again see that continued state of activity and vigour which formerly characterised the metal market. Confidence, however, being now in a great measure restored, we may hopefully look forward to the future, and anticipate that ere long a much more satisfactory state of affairs will be apparent. The continuance of our peaceful relations with all foreign countries, as stated in the Queen's speech, at the opening of the present session of Parliament, is very encouraging, and it is earnestly to be hoped that nothing will arise to disturb that peace, which is so essential to the increase of commerce, the promotion of industry, and the happiness and well being of the community at large. The advices received from India are more favourable, and metals generally are improving, both in price and demand.

vices received from India are more involutions are improving, both in price and demand.

COPPER.—The market generally has been quiet during the week, and transactions have only occurred to a limited extent; prices are, and transactions have only occurred to a limited extent; prices are, and transactions have only occurred to a limited extent; prices are, and transactions have only occurred to a limited extent; prices are.

however, pretty firm at our quotations. In Chili slab a very good business has been done at 77%, and a further advance is now asked IRON.—In Staffordshire the leading houses are receiving a few or ders from large home buyers, and there are alse orders coming, but ders from large nome onyers, and there are also orders coming, our not to a large extent, from the East Indies, Brazil, and the United States, though they are far short of sufficient to keep the works fully employed. In Welsh, a slight improvement has been evinced, and a few orders for rails and miscellaneous descriptions of iron have been placed on home account. It is expected that now a movement fof the better has taken place it will be gradually increased. The expect trade has been televably good and considerable quantities of export trade has been tolerably good, and considerable quantities of railway iron have been shipped for New York, New Orleans, and other American ports. The advices that have come to hand from New York speak of the requirements being heavy, and, doubtless, a good trade will be done in the course of the year, should money to pay for the iron be forthcoming. No change has taken place in connection with the other foreign markets. Pig-iron continues dull. In Swedish iron a good business continues to be done, and prices are well maintained. In Scotch pig-iron comparatively little has been done during the past week, and prices have been more in favour of The last price received from Glasgow was 53s, 9d. cash. b.—A rather better business is now doing, but still prices ar

a little easier. TIN .- The market remains without animation. English is obtain able a little under the official quotations. Straits may now be quoted at 85% to 86%, at which a limited business has been done. The stock in warehouse in London on Jan. 31 was 3168 tons, against 3355 tons same time last year; and the quantity of Straits affoat for Europe is 648 tons, against 1378 tons same time last year.

SPELTER.—The market has been quiet during the greater part of the week, and business has been done on the spot at 21/. 15s.; but re-cently an improvement has taken place, and holders are now asking

221. for parcels on the spot. TIN-PLATES.—Prices remain steady, with a moderate demand. STEEL.—A considerable business has been done in Swedish to come forward. No stock here. QUICKSILVER remains without alteration.

BIRMINGHAM, FEB. 8.—Rylands" "Iron Trade Circular" says— Pigs are more saleable; bars slightly in demand—better feeling in trade generally. Quiet politics alone required to restore confidence

Business in the MINING SHARE MARKET has been moderately active this week, and while some few shares have been flatter, others have considerably improved. Among the latter, Wheal Buller, Retallack, South Herodsfoot, Wheal Chiverton, Chiverton Moor, East Gunnislake and South Bedford Consols, and Great Wheal Vor have been most prominent; while North Crofty, Prince of Wales, Drake Walls, and Redmoor have been quieter. Tin ore, we are happy to say, is up 2l. per ton, and the standard for copper ore is also up 1l., and with cheaper money we look for greater activity in the market. West Chiverton shares have been moderately dealt in, and leave off 64 to 65; Wheal Chiverton shares improved, and leave off 8½ to 8½. East Caradon, 5½ to 6; we stated, after the meeting, that one or two important points would be coming off; but since the meeting we have not been favoured with our usual weekly report. Prince of Wales hat been ravoured with our usual weekly report. Prince of Wales shares have been flat, through market operations, and leave off 31s, to 33s.; the lode in the 55, east and west, is reported worth 35l. per fathom in the east end; the winze below the 45, just commenced, 9 fathoms east of cross-cut, is worth 25l. per fathom; the stope in the back of the 45 is worth 20l.; 80 tons of ore are ready to sampled. Carn Camborne, 22s. to 24s.; Chiverton Moor, 6 to 64; Cook's Kitchen, 11½ to 12j. Great Retallack shares have been very firm, and leave off 47s. to 49s.; on Wednesday a printed circular was sent to the shareholders, to the effect that "the No. 2 lode, north end, was looking splendid, and will produce fully 1 ton of good lead per fm.; the lode south is looking very kindly." East Basset, 20 to 21; East Carn Brea, 3½ to 3½; East Lovell, 9½ to 10½. Wheal Basset, 65 to 70; at the meeting, on Tuesday, the accounts showed 9l. 18s. 2d. profit on two months, and a balance of 568l. 8s. 1d. in hand. Since the last meeting very little has been done in the bottom of the old sump-shaft, owing to the great influx of water, attributed to the suspension of North Basset. Looking at the mine throughout, the agents on sold of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l, 15s, 5d, a call of 2l, per share was made. The accounts showed 1025l,

The prospects of the mine continue good. Wheal Crebor, 10s. to 12s. 6d.; at the meeting a call of 1s. 6d. per share was made. The accounts showed a balance in hand of 134l. 19s. 4d.; liabilities over assets, 35l. 17s. 7d. One or two points are expected to come off in the mine shortly. East Gunnislake and South Bedford Consols shares have advanced to 24, 23; we referred to the discovery made here a fortnight ago, when shares were at 15s.

Wheal Bullers have been in demand, and advanced to 26, 28. A large stream of water has been cut in the 92, west of Stevens's but

Wheal Bullers have been in demand, and advanced to 26, 28. A large stream of water has been cut in the 92, west of Stevens's, but it has not drained the bottom of the 80. The lode in the 80 west is worth 12l, per fm.; the stope in back of this level is worth 20l, per fm. The 80 east is worth 25l, per fm.; the winze under this level 50l, per fm. East Russell, 3\(\frac{1}{2}\) to 3\(\frac{3}{2}\); East Wheal Grenville, 2 to 2\(\frac{1}{2}\); Grambler and St. Aubyn, 5 to 6; Great Laxey, 16\(\frac{1}{2}\) to 17. North Treskérby, 2\(\frac{1}{2}\) to 2\(\frac{1}{2}\). At the meeting, on Tuesday, the accounts showed a loss on two months of 85l. 10s. 2d., and a balance in hand of 724l. 4s. 4d. The ores sold, but not credited in these accounts, realised 1559l. 5s. 8d., and will be brought to credit of next meeting, on April 9. The 120, which has not turned out as expected, has been driven east of Tresidder's shaft 36 fms., and for the whole distance realised 1559/, 5s, 8d., and will be brought to credit of next meeting, on April 9. The 120, which has not turned out as expected, has been driven east of Tresidder's shaft 36 fms., and for the whole distance the lode has been large, and at times worth 1 to 2 tons of ore per fathom; the present end is worth 1 ton, and letting out a deal of water, looking like improvement. The agents are looking for improvements in this level, and, with the rise in the standard, hope to do better for the adventurers this year than they did in the past. Great Wheal Vor, 17 to 18; Great Wheal Fortune, 4 to 5; Marke Valley, 4½ to 4½. Caradon Consols, 10 to 15; a good improvement in the winze is reported sinking below the 80, worth 15/L to 18/L per fathom; in the 90 they are within 2 fms. of cutting the same lode. Great North Downs, 3½ to 4½. The lode in Sleggen's shaft is worth for length of shaft 60/L per fm.; sinking at 20/L, and at the rate of 4 fms. per month; the 70 west, 15/L to 18/L per fm.; the lode west of King's, 10/L to 12/L; the winze in bottom of the 70, 15/L per fathom. Gawton Copper have advanced to 3. The lode has been cut in the 60 cross-cut from engine-shaft over 6 feet wide, worth 6 to 7 tons of copper ore per fm.; the winze below the 50, 7 to 8 tons; the winze below the 50, from old sump, is still worth 8 tons per fm. At East Rosewarne meeting, held on Monday, the accounts showed a balance in favour of the mine of 38/L 5s. 10d. New Seton, 30 to 35; North Crofty, 5½ to 5½; North Roskear, 10 to 12; Prosper United, 3 to 3½; Providence Mines, 27½ to 30; Rosewail Hill and Ransom, 30s. to 35s; South Grenville, 9s. to 11s.; South Herodsfoot, 6 to 8. Tincroft, 13½ to 14½; at the meeting a dividend of 5s. per share was declared. West Caradon, 11 to 12; West Seton, 135 to 140; Wheal Grenville, 21s. to 23s.; Wheal Kitty (St. Agnes), 3 to 3½; Wheal Mary Ann, 11½ to 12½; Wheal Seton, 107½ to 112½; Wheal Trelawny, 11 to 12. Drake Walls, 22s. to 24s. At the meeting held in Cornwall this day the sett was divided; West Drake Wal

Drake Walls holders, on payment of 2s. 6d. per share, to work it.

The market for mine shares on the Stock Exchange has been moderately active during the week. West Chivertons continue in demand at 64½ to 65½. The recent improvements in the workings are maintained, and dressing operations being vigorously carried on. The meeting will be held about the middle of the month. Chivertons are firmer, at 8½ to 8½; Chiverton Moor, 6 to 6½; Westminster, 5 to 5½. Prince of Wales are largely dealt in; the mine is favourably reported on; closing price, 31s. 6d. to 32s. 6d. Great Retallack, 47s. to 49s.; Great Laxey, 16½ to 17; North Crofty and Great Vor are firm at quotations, and in demand. In foreign mines a considerable business has been done. United Mexican improved from 1½ sellers to 2½ buyers, closing firm at 2½ to 2½. The advices by the last mail are very encouraging, a piece of ground 15 varas long and 1½ vara wide having been discovered, which is very rich for silver. The next advices are, consequently, looked forward to with great interest. St. John del Rey, 53 to 54; Anglo-Brazilian, par to ½; Don Pedro, ½ to ½ prem; Scottish Mines, ¼ to 1; English and Australian Copper, ¾ to ½; Chontales, ½ to ½ dis.; Pestarenas have been offered. Changes in prices of mine shares have been otherwise unimportant.

IRISH MINE SHARE MARKET .- The transactions in mining shares during the week have been of a limited character; but, considering this circumstance, prices may be said to have been well sustained. For Carysforts, Connorrees, and the shares of the General Mining this circumstance, prices may be said to have been well sustained. For Carysforts, Connorrees, and the shares of the General Mining Company for Ireland there were occasionally enquiries made at slightly reduced quotations, but holders declined doing business on the terms offered. The demand for Mining Company of Ireland and Wicklow Copper shares was comparatively active, and several transparatively active, and several tran

	Irish ores at Swansea durin	g the last	four que	rters:	mercin.			
		Tons.	Amount.	Total		Amou	nt.	
e	Berehaven-March, 1866 June, ,, Sept., ,	1861	9,579 13 13,061 14 5,684 11 7,279 16	0 6 6 4941	••••	£35,605	15	0
1	Ballycummisk—March, 1866 June, Sept., , , , , Dec.,		581 0 617 8 1,024 4	$\begin{cases} 0 \\ 0 \\ 0 \\ 0 \end{cases}$ 421		2,759	12	0
	Cappagh-March, 1866	68	576 13 388 0	0 132		964	13	0
	Connorree Sept., 1866	94	366 1 223 10	6 194		589	11	6
8	Cronebane-Dec., 1866	62	503 13	0 62	****	503	13	0

Total quantity and value of Irish ores sold at Swansea.. 5750 £40,423 🐱 6 These figures scarcely represent, however, half the quantity of copia, per ore actually raised in Ireland during the last twelve months, inper ore actually raised in Ireland during the last twelve months, inasmuch as two very important mines, besides some others, are not
represented at the Swansea Ticketings—Knockmahon, county Wexford, the property of the Mining Company of Ireland; and Ballymurtagh, Vale of Ovoca, the property of the Wicklow Copper Mining
Company. From the heads of the half-yearly account of the Mining
Company of Ireland, published in the Journal of Jan. 12, it will be
seen that during that half-year the Knockmahon Mine produced
2878 tons, valued at 77. 1s. 6d. per ton, or at a total of 20,146%; so
that we may assume that some 5756 tons of copper, valued at about
40,292 might have been added to the above summary from this 40,2921, might have been added to the above summary from this

It must also be borne in mind that Cappagh Mine, one of the once famous Audley Mines, county Cork, stopped making sales and working, in consequence of pecuniary difficulties of the owner, Mr. T. S. Cave, totally unconnected with this mine.

Mr. William Dargan expired at half-past 7 P.M. on Thursday, and Mr. Bianconi, the once-famous car proprietor, lies dangerously ill.

Mr. Bianconi, the once-famous car proprietor, lies dangerously ill.

[Our Irish Correspondent is rating us for having misimproved in this article of Jan. 26 the name of "Ovoca" into Avoca, but assures our blunderers at the same time of his absolution on the score of having simply failen into the very common error of ascribing its derivation to "Avon." As the Ovoca valley and hills form the most famous mining district of Ireland, and one of the most successful and interesting in Great Britain, he thinks it here the right place to explain that "Avon" merely signifies "river" in Irish, whence we have in the county Wicklow Avon more and Avon beg—as the great river and small river. Ovoca, on the other hand, means crooked or winding river, and is derived from "Oboca," by which name the combined stream has been honomred with mention by Ptolemy near 1800 years ago. The "Ovoca" is formed by the junction of the Avon more and Avon beg at a point near Castle Howard, and between the Crone-bane and Knockanode Mines, and known as the far-famed "Meeting of the Waters," of which the national bard, Thomas Moore, wrote his exquisite melody on that—"... valley so sweet,

while he was on a visit at the hospitable and romantic cottage of the late Mr. Kempston, the fortunate proprietor of the then rich and still promising Connorree Mines.]

The CARNARVON AND BANGOR SLATE COMPANY has been incorporated, with a capital of 100,000L, in shares of 10L cach, for the purpose of working the well-known Talysarn Slate Quarries, in the Nantile Vale, Carnarvon. The property is bounded by the Cilgwyn, Dorothea, Coed Madog, and Pen-y-Bryn Quarries, and the produce is of the colour and quality known as Bangor slate, being on the same veins as those running through the Penrhyn and Assheton Smith's Quarries. The works are very extensive, and many thousands of pounds have been expended upon them, and it is now proposed to construct machinery for the manufacture of slabs on a large scale, for which some of the quarries on the property are highly suitable. There is a large number of buildings and cottages for workpeople on the property, with manager's residence, &c.; the rental for these alone is upwards of 200L per annum. The demand for slates has been steadily increasing for several years, and there has been a corresponding increase in the price. The property has been favourably reported upon by a number of practical quarry managers, who concur in the opinion that it is well worthy of energetic development.

The British And American Telegraph Company, with a capi-The CARNARVON AND BANGOR SLATE COMPANY has been incor

The BRITISH AND AMERICAN TELEGRAPH COMPANY, with a capit tal of 600,000%, in shares of 20% each, has issued its prospectus. The object of the enterprise is to lay down one of Mr. T. Allan's patent cables from Falmouth to Halifax, Nova Sectia, relying upon a highly remunerative business by the conveyance of messages at a reasonable cables from Falmouth to Halifax, Nova Scotia, relying upon a highly remunerative business by the conveyance of messages at a reasonable rate. It is explained that the improved cable from its peculiar principle of construction, smallness of bulk and light weight, which is about one-fourth that of the Atlantic, renders the carrying, submerging, and raising it for ocean depths and distances a simple mechanical operation, without risk of injury to its electrical integrity. The estimate of outlay and returns is based upon a tariff of 4l. for 20 words, with the assumption of 400 words per hour, and 300 working days per year; yet it is shown that, after appropriating 20 per cent. to the formation of a reserved fund, the entire capital may be returned in less than 2½ years, after which the shareholders will still remain in possession of a property capable of yielding them a revenue of about 40 per cent, per annum. It is very justly remarked that the newspaper press alone would furnish a large and constant revenue if the prices were low, which can never be hoped for at the present exorbitant rates. The financial arrangements with Mr. Allan, the inventor and patentee, are most satisfactory—a charge of 5 per cent. on the capital of the company, with a deferred royalty on profits of 10 per cent. The board of direction includes the names of gentlemen deeply interested in the welfare of the districts in which the ends of the cable will be landed, so that it may reasonably be expected that the enterprise will receive their most earnest attention. With such names as those of Sir David Brewster, Sir P. Colquhoun, the Hon. Messrs. W. A. Henry, W. A. McDoungall, P. Mitchell, and Freeman Morse, and Messrs. Layton, Page, Sutton, and Womersley upon the direction, no doubt need be entertained that all will be done to secure success that either science or practical experience in commercial affairs can suggest. The directors have given notice that the list of applithat either science or practical experience in commercial affairs can suggest. The directors have given notice that the list of appli-cations for shares will close on Wednesday next.

standard 11, and in the price per ton of ore about 1s. 3d. Compared with the corresponding sale of last month, the advance has been

bout the same.

The Standards of Tin Ore were advanced on Tuesday 2s. per cwt. and are now as follows:—Common, 82s.; superior common, 83 fine, 84s.; superior fine, 85s. No alteration in the price of metal.

At the Alderley Edge Mining Company meeting, on Jan. 31, a di-

At New Wheal Lovell meeting, on Jan. 31, the accounts showed a debit balance of 2721, 7s. 2d. A call of 2s. per share was made. Mr. P. G. Hill having resigned the pursership, the following shareholders were appointed a committee of management:—F. Hill, T. P. Tyacke, W. Lanyon, B. Johns, John Pascoe, James Thomas, and Capt. Walter Johns; and R. H. Cross cierk of the mine, at 3t. 3s. per month. Number of hands employed in the past quarter—Tutworkmen, 36; surfacemen, 3; smith, 1; enginemen, 3; landers and fillers, 2; stamps pare, 10; total, 55.

Tutworkmen, 36; surfacemen, 3; smith, 1; enginemen, 3; landers and fillers, 2; stamps pare, 10; total, 55.

At the Dundalk Silver-Lead and Copper Mining Company third annual meeting, held in Glasgow, on Monday (Mr. Henry Kerr in the chair), the reports of Messrs. Kerr and Muir, the directors, Mr. T. C. Gregory, F.G.S., the engineer, and Capt. Bishop, of the Connorree Mines, Ovoca, Wicklow, were submitted, and, with the accounts, approved of. The accounts showed costs charged up to bec. 31, and 4234, 168, 94. In hand. A call of 28. 6d, per share was made, to carry on the works efficiently, consequent on the great improvement in the mine: 20 tons of lead have just been sold, and 29 tons more in course of dressing. It is expected that the returns will be regular and increasing. Full explanations were given by the Chairman, Mr. Gregory, and Capt. Samuel Bailey, the mine agent. A most satisfactory account of the state of the mines was also given by Mr. G. W. Clarke, one of the directors, who, with Mr. Dick, another director, had visited the mines.

visited the mines.

At the South of Scotland Mining Company general meeting, held in Giasgow, on Monday (Mr. G. W. Clarke in the chair), the accounts and the reports of the directors and Capt. Hawke, the mine agent, were submitted to the meeting, and approved of. The accounts showed cash in hand 16411. 7s. 10d. After full explanations by the Chairman, Capt. Hawke, and Mr. Gregory, the company's consulting engineer, the meeting dispersed, after voting thanks to the Chairman for his conduct in the chair.

At the Glasgow Caradon Consolidated Copper Mining Company seventh annual meeting, held in Glasgow, on Monday (Mr. Alexander Harvey in the chair), the reports of the directors and Mr. T. Currie Gregory, F. G.S., the consulting engineer of the company, were submitted to the meeting. The accounts showed that the amount of ore bills, cash in bank, and in treasurer's hands amount to 410l. 17s. 5d.; besides which there is available—call of 20s. per share on 1873 new shares, unissued, 18731.; ditto of 10s. per share on 827 new shares, issued, 43131. 10s.; and arrears of calls of 2s. 8d. and 2s. 4d., 4461. 13s. 4d.—making 65441. 0s. 9d. After full explanations of the prospects of the mine by—making 65441. 0s. 9d. After full explanations of the prospects of the mine by—making 65441. 0s. 9d. After full explanations of the prospects of the mine by—making 65441. 0s. 9d. After full explanations of the prospects of the mine by

hands amount to 4104. Its, 5d.; besides which there is available—call of 20s. per share on 1373 new shares, unissued, 1373.; ditto of 10s. per share on 8627 new shares, unissued, 1373.; ditto of 10s. per share on 8627 new shares, unissued, 1373.; ditto of 10s. per share on 8627 new shares, issued, 4332. Its, and area on 1373 new shares, unissued, 1373.; ditto of 10s. per share on 8627 new shares, issued, 4332. Its, and as 4d., 4d6, 13s. 4d.—making 6544. 9s. 9d. After full explanations of the prospects of the mine by the Chairman, Mr. Gregory, and Capt. Wm. Taylor, the mine agent, the reports and accounts were adopted, and a call of 5s. per share on the new shares made to put the company in a better financial position. The costs are all charged up to bee, 31, and the sum to be got from the call it is believed will amply suffice. Since the engineer's report was written, the lode in the 66 has much improved both in price and quality of ore. An assay of the ore yielded 20% per cent. It is expected that henceforth the returns will be greatly increased, and profits made. A very general feeling of satisfaction at the much improved prospects of the mine pervaded the meeting.

At East Rosewarne Mine meeting, on Monday (Mr. Ogilvie in the chair), the accounts showed a credit balance of 384, 5s. 10d.

At Pendeen Consols Mine meeting, on Tuesday (Mr. Wm. Coombs in the chair), the accounts showed a credit balance of 862, 2s. 5d.

At 21d Sn. The lowest tender will be accepted.—Apply to G. BATTERS, Esq. 14d.

ON SALE.—The MINING JOURNAL for the years 1863, 1861.

ON SALE.—The MINING JOURNAL for the years 1863, 1861.

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To CAPITALISTS.—An OPPORTUNITY is NOW OPEN to see, and the per subject of the mine of 662.

To CAPITALISTS.—An OPPORTUNITY is NOW OPEN to see, and the per subject of the mine of 662.

The defendence of the subject of the subje

making satisfactory progress, and they considered it advisable to push on (as was now being done) with vigour, until those points were fully proved. The committee of management were re-elected, the name of Mr. J. B. Carr being added.

At the London Patent Coal Company meeting, on Monday (Mr. E. L. Cockerill in the chair), the balance-sheet showed that the company had assets, consisting of stock, plant, machinery, good debts, and cash at bankers, of the estimated value of 77224. 6s. 3a., to represent the 72404. appearing as capital subscribed on the other side of the account.

The British and American Telegraph Company's shares were well apported on the market to-day, and closed firm, at 1% to 2½ prem.

on the Stock Exchange there has been an increased amount of business in Mining Shares during the week. The following prices were officially recorded in British Mining Shares:—East Grenville, 1\(\frac{1}{4}\); Great Laxey, 17\(\frac{1}{4}\), 16\(\frac{1}{6}\); 17, 16\(\frac{1}{4}\); Great Wheal Vor, 17, 17\(\frac{1}{2}\), 17\(\frac{1}{4}\); Chiverton, 8; Drake Walls, 1\(\frac{1}{4}\); East Carn Brea, 3: East Lovell, 10\(\frac{1}{4}\); Worth Roskear, 11; North Wheal Crofty, 413-16ths, 5\(\frac{1}{4}\); Prosper, 2\(\frac{1}{6}\); Wheal Seton, 120.—In Colonial Mining Shares the prices were:
—Scottish Australian, 1 15-16ths, 1 1-16ths; Cape, 8\(\frac{1}{4}\), 8\(\frac{1}{4}\); Yudanamutana, 1\(\frac{1}{4}\)—In Proeign Mining Shares the prices were:—Chontales, 2\(\frac{1}{4}\), 2\(\frac{1}{4}\), 2\(\frac{1}{4}\); St. John del Rey, 54\(\frac{1}{4}\), 53\(\frac{1}{4}\); 53\(\frac{1}{4}\); United Mexican, 2\(\frac{1}{6}\), 2\(\frac{1}{4}\), 2\

THE TIN TRADE,-Mr. L. Th. van Houten (Rotterdam, Jan. 31) writes—Our tin market opened very strong in the beginning of the month, and a large business has been done at a gradual advance of $2\frac{1}{2}$ fl. Towards the middle of the month, the navigation being closed month, and a large business has been done at a gradual advance of \$2\frac{1}{2}\$ fl.\$. Towards the middle of the month, the navigation being closed by severe frost and snowstorms, less disposition was shown by buyers to operate, and the price gradually declined \$1\frac{1}{4}\$ fl. from the highest point. In the last few days, however, our market is again very strong, with large transactions at an advance of \$1\frac{6}{4}\$ fl. from the lowest figure. Banca was in very active request, while holders offered their stocks very sparingly, and the price advanced from 50\frac{4}{4}\$ fl. to \$2\frac{4}{4}\$ fl. After a decline to \$1\$ fl., the market again improved, and closes very firm at \$2\frac{4}{3}\$ fl. Billiton followed the course of Banca. About \$1200\$ slabs were sold from 49\frac{4}{3}\$ ft. to \$5\frac{4}{3}\$ fl. Billiton followed the course of Banca at in Holiand on Jan. 31, from the official returns published by the Dutch Frading Company:—

Second Frading Company:—	Slabs	\$128	\$32,163	\$29,194
Deliveries in January	\$10,950	\$1,550	\$4,230	
Stock second hand (on warrants). \$120,669*	\$84,900	\$62,677		
Unsold stock	\$73,229\$	\$125,933	\$108,598	
Total stock of Banca	\$193,798	\$210,842	\$171,275	
Stock of Billiton	\$14,286	\$14,286	\$14,286	
Jan. 31	Billiton	\$51\frac{4}{4}\$ fl. \$5\frac{4}{4}\$ fl. \$5\frac{4}{4}\$ fl. \$52\frac{4}{4}\$ fl. \$52\frac{4}{4}\$ fl. \$52\$ fl. \$330		
Jan. 31	Billiton	\$14\frac{4}{4}\$ fl. \$65\$ fl. shower Billiton.		

These returns, compared with those of 1866, exhibit a decrease of the import for January equal to \$75\$ tons, a decrease of the deliveries for January equal to \$25\$ tons, a decrease of the total stock equal to \$37\$ tons, and a decline of the spock second hand equal to \$125\$ tons, a decrease of the nosold stock equal to \$1600 tons, a decrease of the total stock equal to \$37\$ tons, and a decline of the equation of Banca of \$2\$, iss, per ton. The dovernment returns for the month of November are as follows:—

Export of Tin. November:

Export o

		1866		1865		1864.		1866.		1865.		1864.
Germany	Ton	s 183		187		116		2043		1589		1722
Belgium		. 11		11		. 35		386		390		448
England		410		88		-		1096		544		1266
France		121		166		54		1434		1028		938
Hamburg		31		20		13		312		187		188
United St.	ates	. 18		74		-		261		262		21
Other cou	ntries.	. 9		3		1		501		350		379
		-		-		-		-		-		-
	Tons											
According to	the offic	dal r	eturr	is, th	ie in	nport	of the	n for				
has been-			No	vemi	er.				Elev	en me	onthe	
		1866.		1865		1864.		1866.		1865.		1854.
England.	Tons	122		142		260		1903		2142		1982
Belgium		25		4		mera		58		4		10

 Beiglum
 25
 4
 58
 4
 10

 Holland
 153
 164
 19
 1750
 1121
 1298

 Other countries.
 42
 3
 50
 260
 504
 554

 Total.
 Tons 342
 313
 329
 3972
 3771
 3844

 The following figures show the movement of thin the United States: 1863
 1886
 1863
 1882
 186

 Imports
 Slabs 107,500
 80,550
 35,700
 45,000
 71,200
 40,000

 Delivery for consumption.
 84,600
 72,340
 49,160
 67,450
 55,100
 47,9

 Stocks, Dec. 31
 30,600
 19,700
 11,490
 24,950
 37,400
 21,4

Total tons 9628 10,300 8957 7252
The quantity of tin now adioat for England 1s 380 tons, against 1378 tons last year; to the Continent, 22 tons; and to America, 366 tons.

THE COPPER TRADE.—Messrs. Vivian and Younger (Feb. 8) write—Either tough must rise or the importers will have to accept a lower price; and considering the general position of the article, as well as the fact that a capitalist will have to hold copper for a year for about 31, per ton, the probabilities are against the importers being induced to sacrifice their holdings, while the same cause should draw the attention of investors and shippers to the article. The market closes weak, with sellers in the majority.

FURNACE MANAGER.—WANTED, a first-class MANAGER. thoroughly conversant with the practice and theory of the CONSTRUCTION and WORKING of BLAST-FURNACES, and the ASSAY of ORES. State very full particulars of experience and remuneration required, none others will be regarded.—Apply, by letter, addressed to the Managing Director, Llyny Ironworks, near Bridgend, Glamorganshire.

WANTED,—A RE-ENGAGEMENT AS COLLIERY MANAGER. Many years' experience and first-class testimonials. No objection to coad.—Apply to "H.M.," MINING JOURNAL office, 26, Fleet-street, London.

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WANTED, a COMPETENT MINING FOREMAN, to go to the South of France, for the purpose of SUPERINTENDING the WORKING of a STONE QUARRY.—Apply, by letter, to "A. G.," care of Messrs. Brown and Standfast, advertising agents, 4, Little George-street, Westminster. (*)

WANTED, for the STIPERSTONES MINING COMPANY (LIMITED), from TWENTY to THIRTY 16 inch SECOND-HAND PUMP TREES.—Application to be made to the Secretary, St. John's/HPH, Strewsbury.

WANTED TO PURCHASE, a FEW SHARES in HERODSFOOT and SOUTH HERODSFOOT MINES.—State lowest price for cash to "Silver-Lead," Post-office, Liskeard.

CHONTALES ROYALTY SHARES.—WANTED TO PURCHASE, TWO HUNDRED of the ABOVE. Price not to exceed \$2 10s. The lowest tender will be accepted.—Apply to G. BATTERS, Esq. 16, Old Broad-street, London, E.C.

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MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, WROUGHT and CAST IRON CARRIAGE and WAGON WHEELS, AXLES, HAMMERED USES, and HEAVY SMITHS' WORK for ENGINEERS, &c. BRASS and IRON FOUNDERS. MAKERS of PORTABLE FARM RAILWAYS, TURNTABLES, CROSSINGS, SWITCHES, &c. AGRICULTURAL MACHINISTS. MANUFACTURERS of FIELD, ROAD, and BARN IMPLEMENTS, PATENT LORRY, CART, and CARRIAGE WHEELS, with WOOD OF IRON NAVES. REAPING MACHINES, CLOD CRUSHERS, CORN MILLS, &c. SAW MULL PROPRIETORS. GENERAL TIMBER CONVERTERS for home and foreign RAILWAYS, STATIONS, BARRACKS, EXHIBITIONS, &c.

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THE BIRMINGHAM WAGON COMPANY (LIMITED)
MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, for
HIRE and SALE, by immediate or deferred payments. They have also wagons
for hire capable of carrying 6, 8, and 10 tons, part of which are constructed specially for shipping purposes. Wagons in working order maintained by contract,
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STAFFORDSHIRE WHEEL AND AXLE COMPANY (LIMITED),
MANUFACTURERS of RAILWAY CARRIAGE, WAGON, and CONTRACTORS' WHEELS and AXLES, and other IRONWORK, used in the CONSTRUCTION of RAILWAY ROLLING STOCK.
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NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, 16, OOZELL STREET NORTH, BIRMINGHAM.
STEPHEN BARKER begs to inform the Trade that he has the following articles for sale:—REFINED METALLIC NICKEL.
REFINED METALLIC BISMUTH.
OXIDE OF COBALT.
GERMAN SILVER—IN INGOTS, SHEET, WIRE, &c.
NICKEL AND COBALT ORES PURCHASED.

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IMPROVED APPLICATION OF WATER POWER.

MARKOVED APPLICATION OF WATER POWER.

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MACADAM BROTHERS AND CO., ENGINEERS, SOHO
FOUNDRY, BELFAST, have been engaged for fifteen years, with complete success, in MANUFACTURING their IMPROVED TURBINES, and can
recommend them with confidence.

This machine is applicable to all practicable heights of fall and quantities of
water, giving a much higher percentage of power than any other description of
water-wheels.

water-wheels.

On low falls it has the additional advantage of not being affected by floods or backwater, and it is particularly well adapted for any falls where the quantity of water is variable.

Further particulars on application, also references to turbines now at work on a great variety of falls.

d		LEAD O	RES.	
۱	Date. Mines.	Tons.	Amount.	Purchasers.
	Jan. 26-Black Crai	g 20	£12 8 6	Walker, Parker, & Co.
4	31—Trewetha	25	20 16 6	Treffry's Trustees.
1	- ditto	6	10 4 0	Sheldon, Bush, & Co.
ı	Feb. 1-Minera	100	12 16 6	Sheldon, Bush, & Co. Walker, Parker, & Co.
1	- ditto	**********	** 10 0 ****	dicco
١		64		
ı	- ditto	56	12 18 6	ditto

			BL	ENDE			
Jan. 25—G Feb. 1—M	inera ditto ditto	axey	300 45 30 20	£ 3	10 12 13 11	6 6 0	

COPPER ORES.

Mines.				ice.		Mines. Tons. Price.	
Prosper Un	nited	80	 £1	9	0	Great South Tolgus. 40 £7 5	0
ditto	*********			15	0	ditto 38 3 18	0
ditto	********			15	0	ditto 30 7 7	6
ditto	*********				0	Cren. & Wh. Abraham 73 3 4	(
ditto	*********			18	6	ditto 64 2 19	-
ditto	*********			18	6	Rosewarne United 39 4 16	(
ditto	********	42	 3		0	ditto 37 6 7	
Carn Brea		84		10	0	ditto 36 7 11	(
ditto	*********			18	0	ditto 20 6 4	
ditto	********	38	 3		6	Wheal Curtis 30 1 13	-
ditto	********		5	12	6	ditto 25 3 18	-
ditto	********		7	7	6	South Dolcoath 30 4 19	-
ditto	********	11	 2	3	0	ditto 21 4 14	-
East Carn	Brea	63	 4	9	0	Levant 32 7 4	-
ditto	********		4	11	0	ditto 16 0 8	6
ditto	********		4	11	0	ditto 1 30 10	(
ditto	********		6	4	6	Rosewarne Consols 21 6 14	6
ditto	********	19	 2	3	6	ditto 19 2 19	6
Par Consol	S		4	6	0	Mellanear 15 3 1	0
ditto			5	13	0	ditto 12 1 12	0
ditto	*******		4	5	0	ditto 10 1 11	0
ditto	********		4	14	0	Boscaswell 18 7 13	6
Great Sout	h Tolgus	44	 4	0	0		

Prosper United 400 £1362 2 6
Carn Brea 244 1070 15 6
East Carn Brea 220 1009 17 6
Par Consols 180 855 7 0
Great So. Tolgus. 152 834 14 0
Crenver and Abra 137 424 0 0
Rosewarne Untd. 132 818 17 6

Broad-street, London, E.C.

N SALE,—The MINING JOURNAL for the years 1863, 1864
1865, and 1866, clean and complete.—Apply to "R.," MINING JOURNAL
6, 26, Fleet-street, London.

O CAPITALISTS.—An OPPORTUNITY is NOW OPEN to Standard of corresponding sale last month, £110 7 0,—Produce, 6%

Standard of corresponding sale last month, £110 7 0,—Produce, 6%

116 16 0

Total..... £ 7456 18 0

NO SALE on Thursday next, Feb. 14.
Copper ores for sale at the Royal Hotel, Truro, on Thursday week.—Mincs and Parcels.—Devon Great Consols 1477—Marke Valley 440—East Caradon 390—Okel Tor 245—Brookwood 240—Gawton Copper 144—Wheal Friendship 88—Bedford United 76—Prince of Wales 75—Wheal Crebor 55—Sortridge 27,—Total,

WATSON AND CUELL'S MINING CIRCULAR

WATSON AND CUELL,

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS, WATSON AND CUELL having made arrangements

MESSRS. WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circulation during the past ten years, to the columns of the Mining Journal, their special eports and remarks upon mines and mining, and the state of the share market, will in future appear in this column.

In the year 1843, when Cornish mining was almost unknown to the general pablic, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1857, and published in 1843, by Mr. J. Y. Watson, F.G.S., author of "Gleanings among Mines and Miners," 'Records of Ancient Mining," "Cornish Notes" (first series, 1862), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c. &c. In the Compendium, published in 1843, Mr. Watson was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. Watson and Cuell have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. Watson and Cuell, they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. WATSON and CUELL transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission

Messrs. WATSON and CUELL transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of divir ends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON and CUELL also inform their clients and the public that they transact business in the public funds, railway, docks, insurance, and every other description of shares dealt in on the Stock Exchange.

Messrs. WATSON and CUELL are also daily asked their opinion of particular mines, as well as ""ecommend mines to invest or speculate in, and they give their advice and recommend mines to the best of their judgment and ability, founded on the oest practical advice they can obtain from the mining districts, but they will not be held responsible, nor subject to blame, if results do not always equal the expectations they may have held out in a property so fluctuating as mining.

ways equal the expectations they may have held out in a property so fluctuating as mining.

Messrs. WATSON and CUELL having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge for commission.

GREAT RETALLACK-"A Shareholder."-A few weeks since we ex-

GREAT RETALLACK—"A Shareholder."—A few weeks since we explained that the amount paid up had been 11. 19s, per share, and there are now about 4800 shares. West Chiverton present company was brought out in 3000 shares of 10f. each. We question if this mine ever looked so well at the depth as Retailack, and there is room in this mine for a very great comp. The engine will be at work in about a fortnight, and as the shaft can be sunk y ft. a week, it may take (say) two or three months to see the lode at the next level.

"T. R."—Better refer It.

"X. Y. Z."—We cannot advise here.

"J. S."—The ore in East Russell is running towards New East Russell, and this latter will be the speculation some day.

"W. D."—A meeting has been called to divide the Drake Walls sett.

PRINCE OF WALES—"A. J."—Upwards of 30 fathoms of ore ground have been gone over in the 49 east, worth, on the average, about 301, per fathom; and if the 40 east continues, and at present it is richer, this would give 90001, worth of ore between the two levels. Above the 45 the lode is worth 201, per fathom, which is not calculated in this estimate, nor is the 43 west. In the 45 east, soon after it was commenced driving, a small bar of peach came in and reduced the value of the lode, but when the bar was cut through, the lode became richer, and the same thing may, probably, happen in the 55.

"A." (Manchester)—About 25 fathoms of rich ore ground have been gone over in the 80, at Buller; and the 72 is now getting into the same run of tin. The 92 is also coming in.

"INTENDING INVESTOR."—We think well of all three as good speculations. At the general meeting of the latter, 12 months ago, it was stated the funds would last till the end of the year; and that a call would then be required. We hope it will be a long time before another is wanted. The returns ought to meet more than half the costs until another level is worked.

IMPORTANT DISCOVERY IN CONNECTION WITH STEAM-ENGINES. -A remarkable and very interesting pamphlet, containing a record of the conclusions arrived at from theoretical diductions, confirmed of the conclusions arrived at from theoretical deductions, confirmed by carefully-made experimental tests, with reference to a most important point connected with the practical application of steam in the production of motive-power, has just been published by Mr. R. D. NAPIER,* which is calculated so to direct the attention of engineers to the question of the discharge of fluids from orifices of given size as to lead them materially to modify the views which they have bitherto adopted as orthodox. That the now received opinions have been so long upheld may probable traced to the circumstance of its never having been philosophically attacked: for the careful perusal and consideration of the deductions, and of the proofs of their accuracy, can scarcely fail to convince the impartial reader that Mr. Napir has much, very much, in favour of his arguments. Indeed, statements which he now puts forward as ascertained facts appear, after maturely weighing the evidence which could be adduced for and against them, so thoroughly to accord with what should reasonably have been expected that it is difficult to decide whether it is not more curious that the discovery has not been sooner made than that Mr. Napier has now made it. The nature of bis researches will best budged of by mentioning the statements which he makes as the result of them, and which are—i. That the greatest rate at which steam will flow from a boiler through an orifice into a vacuum is only half, or rather less than half, of that given in all published tables on the subject. And 2.—That steam at a pressure of two or more atmospheres will rush from a boiler, through an orifice or short tube, into the air at exactly the same rate as it will into a vacuum, or into any pressure less than that of an atmosphere; and, generally, that a gas of any given pressure will rush from one vessel lute another containing gas of half that pressure at the same rate as if there were a perfect vacuum in the recipient vessel, or any intermediate pressure between a vacuum and hal

"THE ELECTRIC TELEGRAPH."—The history of telegraphy offers an enormous field for research, yet until now a comprehensive volume, embracing such an account of the progress of the science as to be alike interesting to the general reader and to the practical man, has been altogether wanting, at least amonsst English works, for in the French and German languages such works have long existed. In the book now issued by Mr. R. SABINE, *the author states that he has endeavoured to make it sufficiently elementary to come within the comprehension of every educated man, and at the same time sufficiently elementar to be useful to electricians. The work contains a history of the electric telegraph, and descriptions of many of the past and existing methods and apparatus, and an abundance of scientific matter relating to cable work. Mr. Sabine traces the history of the science from 1727, when Stephen Grey, a pensioner of the Charterhouse, supported in the air a wire 700 feet long by slik threads, and conducted the electricity from an excited glass tube through it, to the present time, and fully notices every step in the way of progress which has from time to time been made. The history and progress of electric telegraphy having been carefully treated of, the second portion of the work is devoted to the science and practic, and displays an equally perfect acquaintance with the subject. The author claims that no new theories are started, nor has anything been introduced which experience has not confirmed as having merits to recommend it. The volume is one of the most complete and interesting which has yet been issued on the subject.

* The Electric Telegraph." By Ronert Sanner, London; Vistor Beathers. "THE ELECTRIC TELEGRAPH."-The history of telegraphy offers mend it. The volume is one of the most complete and interesting which has yet been issued on the subject.

• "The Electric Telegraph." By ROBERT SABINE. London: Virtue Brothers

* "The Electric Telegraph." By ROBERT SABINE. London: Virtue Brothers

"GEOLOGICAL MAGAZINE."—The names of the contributors of the

original papers to the February number of the "Geological Magazine" are alone
sufficient to prove that the Editors spare no pains to render the work reliable
upon the subjects treated of. The writers are—David Forbes, F.R.S., Professors
Gwen. Morris, and Huxley; Mr. Etherldge, paiseontologist to the Geological
Survey of Great Britain; and Mr. Carrathers, F.L.S. The articles being—"On
the Alleged Hydrothermal Origin of Certain Granities and Metamorphic Rocks;"

"On the Mandible and Mandibular Teeth of Cochliodonts;" "On the Occurrence
of Grey-Wethers at Greys, Essex;" "On Acanthopholis Horridus;" "On the
Stratigraphical Position of the same Reptile;" and "On the Systematic Position of the Grapolities and of their supposed Ovarian Vesicles" respectively.
The Notices of Memoirs, Reviews, Correspondence, &c., are of the usual instructive and interesting character.

MANCHESTER GEOLOGICAL SOCIETY .- The second and third num-MANCHESTER GEOLOGICAL SOCIETY.—The second and third numbers of the Transactions of the Manchester Geological Society are particularly interesting. The former contains an account of the excursion of the society to Bacup and Todinorden, with a technical report upon the geological formations examined; the latter containing a most interesting account of the Upper Coal Measures, with regard to the probable duration of our coal fields, by Mr. E. W. Binney, F.R.S., the President. An abstract of Mr. Binney's paper will be found in another column of this day's Journal.

in another column of this day's Journal.

"DERBYSHIRE RED BOOK."—The sixth annual edition of this admirable calendar has just been issued by Messrs. Bemrose and Sons, of Derby. In addition to the usual almanac information, the Red Book contains a local peerage, baronetage, &c.; a list of the magistrates, local courts, and local scientific and benevolent institutions; and lists of the educational establishments, and religious and other societies connected with the county. The book has likewise a good map of the county, comparative views of the frongate, Derby, in 1566 and 1866, and a distinct railway map. The book is certainly one of the most useful and cheapest shilling's worth published in Derbyshire.

THE BRITISH AND AMERICAN TELEGAPH COMPANY

FALMOUTH AND HALIFAX. ALLAN'S SYSTEMS.

ALLAN'S SYSTEMS.

Capital £600,000 (with power to increase), in 30,000 shares of £20 each, of which 10,000 shares, fully paid-up, are to be taken in part payment of the contract for the manufacture of the cable.

£2 payable on alloument.
£3 on the 20th of March.
£5 on the 20th of March.
£5 on the 20th of July.
Arrangements will be made for facilitating the through traffic with Hamburg, Bremen, Antwerp, and other important continental seats of commerce.

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OFFICES,—CROSBY HOUSE, 95, BISHOPSGATE STREET, E.C.

OFFICES,—CROSBY HOUSE, 95, BISHOPSGATE STREET, E.C.

PROSPECTUS.

The successful submergence and raising of the Atlantic cables open up to the public mind a wide field for commercial enterprise, the long-vexed question of the practicability of establishing electric telegraphic communication between far distant points being thus satisfactorily solved; while the high tariff rates incident to the costly cables already laid, the amount of capital sunk and route adopted, only point to the great public advantages to be obtained from a healthy competition.

The results of the working speed of transmission through the Atlantic cable prove that the estimate hereinafter stated may with confidence be relied upon; while the large amount of income received by the existing company, even at the high rate of £10 per message, shows what may reasonably be expected at the moderate charge which this company will adopt. The newspaper press alone would furnish a large and constant revenue, which could never be obtained at the high price of 10s, for a word of five letters.

Experience proves that the scientific and commercial success of an ocean telegraph must depend on three considerations—1st, the nature and construction of the cable; 2d, the expense attendant on its working; and 3d, the tariff, or cost of transmission.

This company has secured the exclusive right to use the well-known cable and

legraph must depend on three considerations—1st, the nature and construction of the cable; 2d, the expense attendant on its working; and 3d, the tariff, or cost of transmission.

This company has secured the exclusive right to use the well-known cable and system of deep-sea telegraphy, perfected and patented by Mr. Alian, which effect a saving of about one-third on cost of construction, with extra working powers on the following terms—viz. a charge of 5 per cent. on the capital of the company, with a deferred royalty on profits of 10 per cent., one-half only to take effect when the nett profits exceed 10 per cent., and the remainder not to take effect until profits exceed 20 per cent.

The cable, from its peculiar principle of construction, smallness of bulk and weight (only one-fourth that of the Atlantic), renders the carrying, submerging, and raising it for ocean depths and distances a simple mechanical operation, without risk of injury to its electrical integrity.

The physical elements of this cable, therefore, admit of the selection of a route that enables the line of communication to be most cheaply constructed and productively worked, thereby permitting the adoption of a tariff so low, that it not only encourages traffic, but no other scheme of transatiantic communication appread to the company, the object of which is to establish a cheap telegraphic communication between London and New York by submarine lines from Falimouth to Hailfax. Nova Scotla, thus organising direct communication between Canadas, and America generally, and entirely avoiding the land lines through Newfoundland, which have already been the cause of such frequent interruption to the telegraphic communication between the Hailfax about 1350 miles, and that from Falimouth to Hailfax direct 2400 miles. The expected increase of traffic, consequent on the reduced tariff adopted by this company will, in all probability, render it necessary to lay second cable next season, with extensions to Bernuda and the West Indies.

A capital of £60,000

Total £300,000

Deduct 20 per cent, to form a reserve fund 60,000

Upon this low estimate of traffic a nett profit will be available for di-Dennet 20 per cent, to form a factor of the triple of triple of

elivered on board. Prospectuses and forms of application for shares can be had at the offices of he company, or at the brokers, where the Articles of Association may be in

THE BRITISH AND AMERICAN TELEGRAPH COMPANY NOTICE.—The SHARE LIST of the above company WILL BE CLOSED on WEDNESDAY NEXT, the 13th inst. By order, 195, Bishopsgate-street, London, February 8, 1867.

BLACK CRAIG CONSOLIDATED MINING COMPANY

LACK CRAIG CONSOLIDATED MINING COMPANY
(LIMITED).

Incorporated under the Companies Act. 1862. Himiting the Hability of shareholders to the amount of their shares.

Capital £20,300, in 3072 shares of £5 each, marked A, fully paid up, and
1000 shares, marked B, of £5 each.

It to be paid on application, £1 on allotment, £1 in four months, £1 in eight
months, and £1 in twelve months after allotment, leaving shareholders without further Hability. The holders of B shares to be paid to per cent, out of
profits before the holders of A shares are to receive any dividend; the holders
of B shares may be paid off by the holders of A shares at the rate of £10 for
each £5 share, by giving the holders of B shares six months notice of their intention to do so.

each £5 share, by giving the holders of B shares six months notice of their tention to do so.

R. R. MICHELL, Esq., Marazlon, Cornwall.

JAMES WESTON, Esq., Sheffield.

TWO other directors to be appointed at the first meeting of shareholders.

BANKERS-London and County Bank, Lombard-street.

SECRETARY-T. P. Serivener, Esq., 40, Norfolk-street, Strand.

AUDITOR-Daniel Betts, Esq., Cook's-court, Lincoin's Inn.

CONSULTING AGENT-Capt. Arthur Waters.

AGENT AT THE MINE-Capt. John Smitham.

OFFICES,—40, NORFOLK STREET, STRAND, LONDON, W.C.

OFFICES,—40, NORFOLK STREET, STRAND, LONDON, W.C.

PROSPECTUS.

This company has been formed for the purpose of extending the workings under a course of ore discovered for the purpose of extending the workings under a course of ore discovered in the 43 fm. level, and for developing the West Black Graig Mine, by the issue of 1000 B shares, and it is believed that the working of the £3000 additional capital will not be required to be expended, before the mine will be making considerable profits. The sett is very extensive, and is held for a term of 31 years, from the 23d May, 1857, at 1-16th royalty, and istreamed within a mile of the port and railway station of Painure, from whence supplies of coals and materials are obtained, and the ores forwarded to the smelting-works. From the size, nature, and character of the lodes, and their great productiveness at such a shallow depth, and the economy with which they can be worked (coals, for instance, being is, 6d, per ton delivered), it may fairly be said to offer advantages for the outlay of so comparatively small a capital that are seldom met with. The report of Capitaln Arthur Waters, Capital industrial mining agents, fully justify the belief that large quantities of ore will be produced by sinking deeper.

Prospectuses, pians of the mines, and forms of application for shares, may be had at the offices of the company.

TO COAL OWNERS, AND OTHERS

THE LONDON PATENT COAL COMPANY are now GRANTING LICENSES for the USE of their PATENT for the UTILIZATION of COAL DUST. All communications to be addressed to the Managing Director, 26, Martin's lane, Cannon-street, E.C.

A NALYSES OF COAL, CANNEL, MINERAL OILS, and all OIL PRODUCING MINERALS are UNDERTAKEN by A. NORMAN TATE, F.A.S.L., &c., ANALYTICAL and CONSULTING CHEMIST, and CHEMICAL ENGINEER (Author of "Petroleum and Its Products," &c.),

MOLD, NORTH WALES.
Plans and estimates for oil and chemical works prepared, and their
rection superintended.
Assays of metals and their ores carefully conducted.

EDUCATION IN COLLIERY ENGINEERING, MINERAL SURVEYING, &c.—Mr. M. GILDROY STEWART, M.E., SHETLAND HOUSE, WARMLEY, near BRISTOL, has at present VACANCIES for TWO or THREE PUPILS. Terms very moderate.

Notices to Cornespondents.

- * Much inconvenience having arisen in consequence of several of the Numbers during the past year being out of print, we recommend that the Journal should be fited on receipt: it then forms an accumulating useful work of reference.
- WEST MARIA AND FORTESCUE CONSOLS.—Any shareholder, on application at the office, can have explanations of the no doubt unintentional mis-statements of an "Inquirer."
- CRUSHING MACHINE—"J. F." (Helston).—A diagram of the improved pneu-matic stamp, referred to last week, was published in the Journal of May 12 last, from which the details of the machine will be at once understood.
- last, from which the details of the machine will be at once understood.

 Peart AS Fuel...—"X." (Dublin).—We shall be glad to receive the particulars of the invention. There can be no doubt that where coal is scarce, or unobtainable, peat, compressed by a cheap and reliable process, could be advantageously employed. The cost of the machinery, as well as that attending its working, should always be considered.
- Mr. Gunther's paper "On Mineral Deposits in North-Eastern Brazil," and Mr Verran "On the Mineral and Industrial Resources of Newfoundland," shall appear in next week's Journal.
- appear in next week's Johnan.

 HARE DEALING.—We never interfere in the sale or purchase of shares; neither do we recommend any particular mine for investment or speculation, or broker through whom business should be transacted. The addresses of most of the latter appear in our advertising columns.
- * The TITLE-PAGE and INDEX to the THIRTY-SIXTH VOLUME of The TITLE-PAGE and INDEX to the THIRTY-SIXTH VOLUME OF the MINING JOURNAL WAS published, as a SUPPLEMENT SHEET, with the Journal of Jan. 26. The Supplement also contains the conclusion of the Paper on the Development of the Iron Trade, read by Mr. Jas. Robertson at the London Association of Foremen Engineers; the Proceedings of the Society of Engineers; and the inaugural meeting of the Incoporated Association of Mine Agents of South Staffordshire and East Worcestershire.

THE MINING JOURNAL,

Bailway and Commercial Gazette.

LONDON, FEBRUARY 9, 1867.

EXTENSION OF OFFICIAL COLLIERY INSPECTION.

As the whole question of GOVERNMENT INSPECTION OF COLLIERIES is now about to be re-opened, with a view to more efficient legisla-tion upon the subject, it behoves all desirous of promoting, in the highest degree, the safety of the collier to have a care that all the bearings of the question are considered, and that no preconceived and erroneous notions are permitted to influence them. Upon the occurrence of such lamentable casualties as those at present fresh occurrence of such lamentable casualties as those at present fresh in the memory, there is too often a proneness to hastily adopt supposed remedual measures, which prove in practice to be attended with greater and more alarming evils than those sought to be removed. In the House of Lords, on Thursday, the Earl of Belmore moved for copies of a circular letter from the Home Office to, and the reports from, the Inspectors of Mines on the recent accidents and explosions; and Lord Wharncliffe, in moving for further papers, said that living, as he did, in the neighbourhood of the scene of one of the recent calamities, he had given much consideration to the subject, and thought that the law ought to be amended, so as to give Inspectors of Mines additional powers. In one instance which give Inspectors of Mines additional powers. In one instance which came within his own knowledge a mine was supposed to be in a dangerous state. The person who was interested in it warned those who gerous state. The person who was interested in it warned those who worked in it of the danger, and at the same time a letter was written to the Government Inspector, who replied that nothing could be done in the matter. The number of Inspectors at present existing was quite inadequate to the work to be performed. Instead of their visiting mines only when they were reported to be unsafe, every mine ought to be regularly and periodically inspected. He hoped that the Government would devote their attention to the subject, and introduce the necessary amendments into the Act of Parliament.

That both of these noble lords are influenced by the best intentions cannot for a moment be doubted; but surely Lord WHARKCLIFFE cannot have expressed precisely what he intended to express in his

cannot for a moment be doubted; but surely Lord WHARNCLIFFE cannot have expressed precisely what he intended to express in his statement as to the dangerous pit mentioned, and the Government Inspector's reply to the "person" interested. The entire case, as reported by Lord WHARNCLIFFE, is at once so improbable and inconsistent, that his own good sense and practical experience should have instantly convinced him that his information was inaccurate. Had his lordship been acquainted with the Act of Parliament, he would have known that had the dangerous state of the mine in question been shown, it would have been a shameful and deliberate falsehood on the part of the Government Inspector to state that nothing could be done in the matter. It would, probably, be a more accurate account if he stated that "the mine was erroneously supposed to be in a dangerous state," and that the Government Inspector replied "that nothing need (not that nothing could) be done in the matter." 13th section of the Act of Parliament (20 and 21 Vic., c. 151) give ample power to the Secretary of State to object to rules which ample power to the Secretary of STATE to object to fines when "do not sufficiently provide for the safety of the persons employed in or about such mine or colliery;" and the rules being established, the Inspector has, by the 16th section, full power to see them enforced; whilst the 17th section gives him power over causes of danger

not provided for by the rules.

To state that the number of Inspectors at present existing is inadassertion; whilst the careless manner in which their lordships have collected the data whereon their conclusions are based, is shown by the fact that Earl Belmore, in confirmation of Lord Wharncliffe's statement, asserted that Mr. WYNNE, the Inspector of the Staffordshire district, told him the other day that he had under his charge 300 collieries and 900 mines, thus confounding mines with shafts, Mr. WYNNE's inspection embracing in fact. "300 collieries with 900 Mr. WYNNE's inspection embracing in fact. "300 collieries with 900 collieries Mr. WYNNE's inspection embracing, in fact, "300 collieries with 900 pits or shafts," which is not too large a number to be properly inspected. Hence Earl Belmore's conclusion that "it is impossible that he should make an annual inspection of each of these that he should make an annual inspection of each of these does not follow from his premises that Mr. WYNNE could never inspect more than three mines a day, and sometimes only one. It would probably be wise if Earl Belmore would enquire of Mr. WYNNE whether his inspections during the whole time he has been in office, and making allowance for the time he was incapacitated by his rail-

way accident, has averaged one per week, and, if more or less, what number of inspections he has made? But the great question involved in the statement that the number of Inspectors is too small, is whether the Government can carry on industrial operations generally with greater safety to life than private individuals? No evidence whatever has been adduced to prove this, and it is unlikely that any attempt will be made to do so. With regard to periodical inspection, it is already provided by the coalowners themselves, by their appointmen of viewers, under-vie overmen, deputy-overmen, wastemen, and firemen; and these officers stand in the same relation to the hewers, putters, drivers, onsetters, and trappers, as the captain, mates, and petty officers of a ship stand to the ship's crew. So that until it be proved desirable to compel ships' officers to be Government servants there can be no justice in attempting to work mines by Government officials. If it be urged that the intention is to appoint Government officers, in addition to the existing staff, the danger would be infinitely greater, just as it would be most dangerous to send a passenger ship to sea with as it would be most dangerous to send a passenger ship to sea withtwo captains with equal authority. The republican principle, "Liberty, Equality, Fraternity," may be all well in a thinly-populated
territory, where each individual may do a vast amount of mischief
without seriously injuring his neighbour, but in a closely-packed
hive, like a colliery or a ship, it is desirable that more conservative
views should prevail. Let it be made compulsory for all "special
rules" to define distinctly the duties of every officer and workman in
the pit; let no officer be employed unless he holds a certificate of
competency for the duties he is appointed to perform, and in case of
accident let each who fails to prove to the satisfaction of a suitable
tribunal that he had no share in contributing to the accident have
his certificate suspended for a longer or a shorter period, according
to the gravity of his offence. If this were done we should have fewer
colliery accidents, and an infinitely better class of colliery officials colliery accidents, and an infinitely better class of colliery officials

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and colliers, than could be hoped for either under the present system, or under any extended Government inspection system that could be devised.

COLLIERY INSPECTION, AND CORONERS' INQUESTS.

COLLIERY INSPECTION, AND CORONERS' INQUESTS.

"THE OARS COLLIERY EXPLOSION.—The witnesses examined yesterday were mostly of a professional character. Mr. MAMMATT, the underviewer, was recalled, and said that he had never known Mr. Morron, the Government Inspector, to go down the pit 'in his life,' nor had he known him send anyone down to see how things were going on." * * "Mr. Brown, mining engineer, said that Mr. Morron, the Government Inspector, went down the pit in 1836, but he did not think he had been down since that time. There was a strike on that occasion, the pit being then under Mr. MINTO's management, and Mr. Morron, after his inspection, said he was well satisfied with the arrangements, and wished that all collieries in his district were as well managed. If they were, he would have much less trouble than he had then."—Daily Telegraph, Jan. 29 and 30.

all collecties in his district were as well managed. If they were, he would have much less trouble than he had then."—Daily Telegraph, Jan. 29 and 30.

It now appears that 361 human lives were destroyed by the explosion in the Oaks, and 93 by that in the Talke Colliery. Thus in a single week 454 men and boys have been killed in our mines. The unprecedented magnitude of this calamity, and its occurrence after so much has been done in attempting to prevent such "accidents," naturally excites a suspicion either that the means resorted to were inefficient, or that well-known preventive measures were either partially or altogether disregarded with impunity.

From the above extracts it is evident that one of the safeguards imposed by the Legislature for the prevention of explosions, and upon which great reliance was placed, has been grossly disregarded by the official representative of the Government. The fact is given on the authority of the sworn evidence adduced on the coroner's inquest by two witnesses thoroughly conversant with the subject. Rumours to the same effect have been long prevalent, and the subject has occasionally been noticed in the columns of the MINING JOURNAL.

With every desire to avoid personal allusions in the discussion of public questions, the magnitude of the interests at stake in this instance imperiously demands a fearless investigation, unrestricted by such considerations. As a public officer to whom the Government has entrusted the administration of the law, an Inspector of Mines is as responsible to the press and the public as any other functionary of the Crown.

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Without going so far as to say that the explosions would and could not have happened had the mines been regularly and properly inspected, and all the provisions of the law strictly enforced, it may, perhaps, be fairly observed that it would have been some alleviation to the sorrow of the widows and orphans of the hapless victims, as well as to the thousands of humane hearts who sympathise with them, had they known that all had been done that could be done to prevent the occurrence of these dire calamities.

Unfortunately, however, there is a very general feeling that no such consolation is to be derived from the conduct of the official guardian of the lives of the poor colliers in the Oaks Mine. It appears that during the 14 years of his inspectorship he only went down the pit once, and that was 10 years since.

A terrible responsibility rests somewhere. This is not a question of competency or unfitness in the officer to efficiently discharge his duties, but whether there has been a persistent disregard of them altogether. Nay, more; it creates a fear that there is an alarming laxity of discipline, which is completely subversive of the object sought to be obtained by the creation of the office. From whatever cause this has, arisen, whether it has been owing to the inexcusable negligence of the Inspector, or to the number of collieries under his care being too large to permit him properly to discharge the onerous duties imposed upon him, it cannot, it is thought, be attributed to the Act of Parliament, which gives ample powers to Her MAJESTY'S SECRETARY of STATE properly to organise the working staff, and to appoint as many Inspectors as may be needed for the efficient administration of the law. Be this as it may, it is olvious that things cannot be allowed to go on as they have done. Some new effort must be made to stem the torrent of human blood that continues

Talke collieries, there is but one conclusion that can be deduced from it, and that is, that in neither case have the provisions of the Inspection Act been observed, nor has any attempt been made by the Inspector of either district to enforce that observance. In both cases the law has been inoperative for good, because it has been more or less ignored in practice. This is the result of the experience of sixteen years. It is evident, therefore, that some remedial measures are urgently required. It has been shown, in some instances at least, that a thorough and frequent inspection of the mines, upon which so much reliance was placed as a preventive of explosions and other fatal accidents, has been the exception rather than the rule. The Inspectors are very properly independent of each other, and are not subject to any superintending authority, save that of the SECRETARY of STATE for the Home Department. Amid the vast multiplicity of other public duties, it is scarcely probable that the Home Office can devote that attention to the inspection of mines which its importance other public duties, it is scarcely probable that the Home Office can devote that attention to the inspection of mines which its importance and the interests of humanity demand. On the occurrence of the recent explosions, the Secretarry of State availed himself of the able assistance of Mr. Kenyon Blackwell as a special commissioner, to investigate the circumstances attendant on the explosions. This appointment gave general satisfaction, and more especially to those engaged or interested in collieries, among whom Mr. Blackwell's great abilities and thorough knowledge of coal mining in all its ramifications and bearings is well known and highly appreciated. But if such an appointment was deemed necessary by the Government after the occurrence of such dreadful accidents, does it not evidence a want of confidence in the existing administrative department? and does it not suggest a fitting remedy for the evil? It is suggested, and by those who have devoted much time and consideration to the subject, that the present staff of Inspectors is deficient in number and defective in organisation. The number may be ensily increased, and the organisation would be greatly improved by the appointment of an Inspector-in-Chief, who would be responsible to the Crown, and whose duties would be to exercise a supervision over the Inspectors, and to make a searching investigation into the causes of accidents where they occur.

the Inspectors, and to make a searching investigation into the causes of accidents where they occur.

Under the present system these important investigations are entrusted to coroner's inquests, and, as might have been anticipated, with very unsatisfactory results. Such inquests are, in fact, criminal courts, in which the technical rules of evidence exclude much information, which if received would add greatly to the elucidation of the subject. There is, besides, a natural reluctance on the part of the owners, their workmen, their friends, and neighbours, who usually constitute the majority of the most important witnesses, to say anything that may be construed as criminatory, and their evidence, therefore, is as vague and indefinite as can be devised, and given with a hesitancy which rarely carries conviction with it. Nor is the constitution of this court suited to the purposes of such investigations. Neither the coroner nor the jury are fitted by education, and their usual avocations, to discharge the duties that are imposed upon them. Neither the coroner nor the jury are fitted by education, and their usual avocations, to discharge the duties that are imposed upon them, however desirous they may be to do so. The following extract from a report of the inquest at the Oaks Colliery adds to the many other proofs previously given of the unwillingness of juries to listen to details, the importance of which they are unable to appreciate, and which they do not understand:—"On Thursday the evidence went to establish the topography of the mine, and details of the explosion, pointing to its scientific explanation. Several of the jury objected that they were incompetent, and unwilling to hear 'merely scientific evidence.' It was replied that the facts attainable now that all was fresh in memory could never be got before a Royal Commission." It was no wonder the jury were unwilling, hour after hour, to sit and

explosion in a mine, and leave to another and more competent tribunal the duty of investigating the recondite causes of the explosion? This would not only save us from the shame of delegating such momentous questions to the decision of confessedly incompetent judges, but the mass of reliable information that would thus be obtained would be of great service in suggesting means for the avoidance of similar accidents; for it is an old and sound maxim among civil engineers, that "one failure teaches more than twenty successes." The conducting of such supplemental enquiries might be safely intrusted to an Inspector-in-Chief and two Inspectors from distant districts, whose reports to the Secretary of State ought to be published, and sold at the lowest price, so as to be accessible to all concerned in the management of mines of whatever grade. It is rumoured that Government has appointed a Commission to investigate into the causes of the recent explosions. If this be needful in these cases, it is equally so in all others. The additional expense that would thus be incurred would be inconsiderable, whilst the good that would result would be great and unquestionable.

MINING AS AN INVESTMENT.

is equianty so in ant others. The notational is the good that would result would be great and unjuestionable.

MINING AS AN INVESTMENT.

A paragraph appeared in the Times during last week, in which it was declared that the calls made by Cornwall and Devon mines during the last four eventful years amounted to 18,284,71; while the dividends during the same period were equal to only 751,7131.—that in 1866 the former were 331,8511. In the aggregate, and the latter 90,9694. This was rather a startling announcement; but as no authority was given by our contemporary, we felt there was no necessity of front low, however, favours us with a letter, in which the paragraph in question is almost verbally embodied, with the addition that "I greatly fear unless the metal market greatly improves, the year 1867 will figure much higher in calls, but less individends." He begs us to give insertion to his communication, which he declares to be "a correct list of the amount of calls and dividends," and consequently leaves the impression that he furnished these statistics to our contemporary, which he now desired a gentleman in Lincoln con lawe in making such a communication is not for us to determine; but we are justified in looking with suppicion on any gratuitous statement of this nature from a channel, which necessarily cannot be so conversant with such facts, at those more specially and closely connected with the counties to which he refers. It is remarkable that the statement should be first sent to the 17ms and then to us. In our weekly list of mining shares there are 44 dividend-paying mines commerated, with dividends in all of the paying mines commerated with the value of a paying mines commerated to the value of the first description we are enabled to determine exactly the amount of agital invested, and the dividends paid thereon have a mines. We take the list and prices as they stood in our last number of the first description we are enabled to determine exactly the amount of agital invested, and the dividends paid thereo

mark. Mr. Noakes is not a gentleman to make a statement hap-hazard, but only after mature consideration and research, and our own figures bear testimony of the accuracy of his estimate, for it must be borne in mind that we are not only taking the Lincoln figures as borne in mind that we are not only taking the Lincoin figures as correct data, but are dealing with a period which has been most remarkable in bringing forth imprudent and speculative enterprises, with no other object, apparently, than profitless expenditure of cash, and so deteriorating from the balance as between capital and dividends. Again, if it be true that 1,828,427*l*. were paid in calls in four years, it must be remembered that 147 new mining companies alone was presented and divise the same period which consequently is years, it must be remembered that 147 new mining companies alone were promulgated during the same period, which, consequently, is only 12,436*l*, for each, or 3109*l*, per annum, in calls, ignoring and setting aside altogether the numerous progressive mines which were previously in existence, and making demands on the shareholders from time to time. The resume is that the present 39 dividend-paying mines represent an original capital of 1,136,543*l*., and the proprietary have received 4,682,509*l*.; mines, with dividends in abeyance, represent a capital of 104,648*l*., and have received back 278,990*l*.; and "progressive mines" have a paid-up capital of about 4,250,000*l*., being, as already stated, a collective mining capital of about 5,500,000*l*. frost in memory could never be got before a Royal Commission."
It was no wonder the jury were unwilling, hour after hour, to sit and hear evidence which they declared they were "incompetent" to understand, but upon which they were sworn to give a true verdict. You might as well insist upon a boy who was ignorant of the alphabet solving a problem in Euclid. The unfitness of coroner's inquests to perform such duties has frequently been discussed in the columns of the Mining Journal, and it may be freely admitted that the subject is not unaccompanied with difficulties.

In inquests on persons killed by explosions in collieries, the stereotyped verdict has almost invariably been "Accidental Death." Would not the same end be obtained by limiting the evidence given at the inquest to the simple fact that the person was killed by an accidental

apart from this list, are perfectly astonishing, and it will be difficult for our disinterested correspondent at Lincoln to produce a corresponding result in any other branch of British industry.

HOW TO MAKE ALL MINES PROFITABLE.

HOW TO MAKE ALL MINES PROFITABLE.

The position of English mines, as respects the production of ore and division of profits, is a matter which absorbs considerable attention at this moment, when supplies from our colonies and foreign countries are sent here in very considerable quantities. It is clear, however, that our yield of copper is, in reality, far beyond what i s calculated, but the method of treatment has been quite inconsistent with the character of the ores, which, taken generally, are of a poor description; and as the accepted rule has hitherto been to throw aside all that does not come up to a given standard, immense quantities are to be met with at many places, which are now simply in the way of surface operations, and regarded as mere rubble and waste. An association is, we hear, in course of construction with a view of working these respective deposits, and keeping aloof altogether from mining, in the ordinary acceptation of the term. Besides rendering great benefit to the shareholders of the mines, where these poor ores and refuse deposits exist, much advantage must accrue to the proprietary of the new company, as their appliances will be inexpensive, and, necessarily, they will only treat ores which justify expectation of profit on assay or trial.

The quantity of precipitate offered at the Cornish Ticketings is continually on the increase, which proves that there is much less disposition to put aside ores as valueless, because they do not come up to the ordinary standard of production. There are only a few persons, however, who treat the low ores suitable for the precipitate process, and they have very meagre arrangements as yet to obtain profit, so that there is a good field for systematic treatment on a large scale. By establishing four distinct works in Cornwall, for instance, the advantage of an unfailing supply could be secured, and as each works could, probably, reduce for 25 mines, it is not unreasonable to suppose that 500 tons per diem could be treated; but in practice it would proba nagement. The apparatus for treating 10 tons of ore per day would not occupy, it is stated, more than a space equal to that required for a 12-head stamps; and assuming only 8 units of copper, realising 13s, per unit, to be extracted, its value would be upwards of 5\%, which would leave a large margin for profit. We believe the calculation is that for every ton of English copper ore sent to the smelters there are 10 tons raised, and the estimate is that the 9 tons so thrown on to the ramp contain at least 1 per cent. of metal per ton of ore. If this be so, there is a fine field for operation; and as the chief expense on the part of the new company will be for fuel to calcine the ores, considerable advantage must accrue, even after allowing for a liberal royalty, or other payment, to the proprietors of the poor ores. The allowance of coal for calcination is usually 3 cwts. to 1 ton of ore, and 1\frac{1}{4} ton of iron to precipitate 1 ton of copper; so that the outlay must be small, and the whole principle is simple in system and management. Richer ores will, of course, be dealt with where opportunities offer; but the basis of the project is essentially the treatment of poor ores. ment of poor ores.

"COAL AND STEAM SUPERSEDED."

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Attention was called in an article in the Mining Journal of July 7, 1866, to an invention designed by Mr. J. SMITH, of Barkeley House, Liverpool, and Mr. S. A. CHEASE, of Egremont, Cheshire, for obtaining motive power, and it is now stated that their efforts have been crowned with success. Action and reaction is a law of Nature, evidenced by the ebbing and flowing of the tides and other natural phenomena. Can the natural forces of air and water combined be employed for mechanical purposes without chemical change? This problem these gentlemen claim to have solved by constructing an engine on the following the solutions. mena. Can the natural forces of air and water combined be employed for mechanical purposes without chemical change? This problem these gentlemen claim to have solved by constructing an engine on the following principles:—They make a reservoir having two compartments, the internal compartment having a lift-pump for raising water or other fluids contained in the external compartment, thus giving and maintaining two levels of the fluid in the one reservoir. From the bottom and through the lid of the external reservoir they raise a tank, which may be made of any height. The whole of this portion of the engine must be made perfectly air-tight, so that any amount of air may be compressed into the reservoir. Within the tank, and fixed on its bottom and one side, are two cylinders, having two sets of valves, the one set opening to the fluid in the reservoir, and the other set opening to the fluid in the tank. Within each of the cylinders is inserted a hollow tube or float. The floats are attached by means of slings to a beam which restson a fulcrum, giving to them the character of a pair of scales. Each float is surrounded by a cup-leather valve, which is fixed to the rim of the cylinder, to prevent any escape of the fluid contained in the tank through the aperture occupied by the float. On the head of one float is fixed a rod, which passes through a stuffing-box on the lid of the tank, and is linked to a beam on the outside. The other end of the beam is connected by a rod to the crank, and a second rod connects the crank with the lift-pump. An eccentric affixed to the shaft actuates the gear, which opens and closes the valves at the moment required. On the lid of the reservoir is fixed an air-pump with gear, which may be attached either to the beam or the eccentric, and which, a teach rotation of the engine, throws a jet of compressed air into the reservoir. A safety-valve is also affixed to the lid of the external reservoir to let off the superincumbent pressure. A syphon feed-pipe descends from the head of the tank

the lid down to the base of the internal reservoir, having a sluice-valve to open or close the communication between the tank and the reservoir. This completes the mechanical arrangement of the present engine, but the principle is capable of modification and adaptation to marine, railway, or other purposes.

The next operation is to fill the tank, syphon feed-pipe, and internal reservoir with water or other fluid. The external reservoir is thenpartly filled, until the tank-valves that open into it are submerged, when the engine is ready for use. The floats being hollow, are lighter than a space of equal magnitude filled with water; and, consequently, it follows of necessity that when the valve on the first cylinder is open to the gravatic force of the fluid contained in the tank, that force acts on the bottom of the float, causing it to rise; while the valve on the second cylinder being open to the reservoir, causes the float to descend, there being no power to support it, thus producing a reciprocating motion, which, acting on the beam, gives rotation to the crank, and actuates the eccentric and the tank-valves, causing them to open and close at the proper time. This motion is continued until the valve of the syphon feed-pipe is closed, shutting of the pressure by which the water or other fluid is forced through the syphon feed-pipe into the tank, and through the tank-valves into the reservoir, and thus produces a perfect circuit of motion.

ON THE PURCHASE OF RAILWAYS BY THE ITALIAN GOVERNMENT.

GOVERNMENT.

Letters from Florence make an important announcement, and one which may be safely, and wisely, followed by other countries. It is stated that Signor SCIALOJA, the Minister of Public Works, has presented a Bill to the Italian Chambers to convert into rentes the shares and obligations of railways and other companies which receive subvention from the Government. The Italians are, clearly, making great way in all national matters, and showing themselves; wise in their day and generation, for nothing will give greater satisfaction to an influential portion of that community than the measure now proposed, besides being a source of income and benefit to the State, instead of continuing the burden of subventions. It appears that in Italy the extent of railways constructed, and in course of construction, is about 4800 miles, under guarantee from the Government of a minimum gross revenue of 1792L per mile, which is equivalent to an annual gross traffic of the amount of no less than 8,601,600L for the 4800 miles of railway; and as the estimated cost, to making these lines is 12,800L per mile, the total expenditure will

be 61,440,000% sterling, so that the traffic is equal to 14 per cent. on the outlay, and after deducting 50 per cent. For working expenses, the nett revenue would be just 7 per cent. The working of the system, however, has proved the fallacy of these calculations, and Italy does not find itself an exception to other countries in this re-Italy does not find itself an exception to other countries in this respect, but that the estimates of engineers and promoters are alike all over the world, and cannot in any way be relied upon. The actual gross revenue on the Italian lines already in operation is only 512\(\textit{I}\), per mile, after deducting 50 per cent. for working expenses, instead of 896\(\textit{L}\), so that the burden on the Government to keep faith with its engagements is 2,400,000\(\textit{L}\) a-year, and the railway securities have become almost unmarketable. The Government, therefore, very wisely propose to purchase up the respective railways by the issue of rentes, which will produce a saving of about 1,000,000\(\textit{L}\) per annum to the State on existing subventions, and give vitality to securities amounting to about 20,000,000\(\textit{L}\), one of little or no commercial value, when required to be realised in the market; while, moreover, confidence will be restored in the minds of those who have already invested, and so enable other lines to be made to complete the arranged railway network of Italy, which, of course, depends more already invested, and so enable other these to be made to complete the arranged railway network of Italy, which, of course, depends more or less on its entirety. It is, therefore, considered that in about ten years the Government of Italy will be deriving a nett revenue from the railways more than equivalent to the annual charges of the rentes giving in purchase for the several lines. Belgium has succeeded well by adopting a similar system, and the example set by young Italy may be well followed by older States, such as Spain and Destread, where existing traffic does not warrant the construction of Portugal, where existing traffic does not warrant the construction of railways by independent companies, but where the establishment of speedy communication will develope the latent resources of the country, and so in time produce for themselves the means of liquidating the expense of formation, while the Governments will have the means of concentrating their power in what part of the kingdom it was the processory for military or other purposes. may be necessary for military or other purposes.

REPORT FROM SCOTLAND.

FEB. 6.—January has not been a very auspicious month for the Pig-Iron Trade, as there has only been shipped—foreign, 18,187 tons; coastwise, 15,683 tons = 33,870 tons, against 41,756 tons in 1866, being a decrease of 7886 tons for the first month of the year. The low average price of the month is also worthy of note, being 54s.4½d. as compared with 66s. 4d. same month previous year. The furnaces in blast have been diminished from 134 to 97; and the stock in store has been sales at 1655.

being a decrease of 7886 tons for the first month of the year. The low average price of the month is also worthy of note, being 548.43d, as compared with 668, 4d, same month previous year. The furnaces in blast have been diminished from 134 to 97: and the stock in store has been reduced 14,975 tons. Iron is undoubtedly working its way into position, and shy buyers now will probably be eager buyers before the spring is over, at increased rates. During the week the almost immoveable sluggishness of the market has been apparent, prices oscillating between 538, 9d, and 548, 14d, cash. The market was slightly firmer to-day, and a moderate business was done at the advance, 548, 14d, cash, 548, 4d, a month, closing nominally at these prices. No. 1, 2m,b., 548, 6d.; No. 3, 548.; No. 1, Gartsherrie, 668.; No. 1, Coltness, 668.; No. 1, Glengarnock, f.o.b. at Ardrossan, 618.

The enquiry which the reduction in prices caused in Malleable Iron is lessening, and were it not that several orders have been taken in the Clyde for new steamers, the market would be almost lifeless. This fact has caused a spurt, which it is hoped may be continued. The ironfounders are rather better off for orders, and the increase in shipbuilding will aid both the brassfounders and the coppersmiths. On Saturday the engineering firms in Greenock gave their men notice of their intention to reduce their wages after next pay-day.

Coals are getting rather easier in price, and the shipments are increasing. The tonnage, foreign and coastwise, this week was 19,750 tons, and in the corresponding week of last year it was 18,575 tons. The ironmasters have been selling their surplus output at a reduction, and the sale coalmasters will have to lower prices to meet them in the market. This will likely be done shortly, as a general reduction in miners' wages is expected to take place almost immediately. The colliers, notwithstanding the great depression of trade, are being agitated into adopting a uniform working day of eight hours over the whole of Scotland, an

it is the battle of labour against capital. It is to be regretted that something cannot be efficiently done to prevent emissaries from sowing discontent in happy and contented communities.

Amongst the Scottish exhibitors at the Paris Exhibition, to be opened in April next, will be Messrs. Geo. Shand and Co., Stirling, mineral oil: Messrs. J. Watson and Son, Bathgate, parafin and parafin oil: Messrs. Jos. Young. Bathgate, parafin and parafin oil: Messrs. Thomas Rowatt and Sons, Edinburgh, parafin oil lamps; Messrs. R. W. Thomson, Edinburgh, rotatory steam-engine, traction engine, steam gauge, &c. Young's Parafin Oil Company, Bathgate, after deducting depreciation from works and plant, has a balance, out of which the directors recommend a dividend of 5 per cent, and atter deducting deprecation from works and plant out of which the directors recommend a dividend of 5 per cent., and a bonus of 4 per cent., to be added to stock.

a bonus of 4 per cent., to be added to stock.

During January two screw steamers and five iron vessels were launched on the Clyde, and on the Feb. 2, a handsome paddle steamer, for the fleet of Malcolmson Brothers, of Portlaw, of the following dimensions and tonnage:—240 by 27½, 32½ by 14½, and 1000 tons,

REPORT FROM NORTHUMBERLAND AND DURHAM.

FEB. 7.—The state of the general trade of this district is considered FEB. 7.—The state of the general trade of this district is considered more hopeful, but there certainly is great need of improvement yet in many branches. Iron shipbuilding on the Tyne has revived a little, and some good ships have been laid down at Jarrow; but in connection with this branch, one of those disturbances so fatal to the trade have just taken place—a strike having been commenced by the steam-tug builders of the Tyne. The masters allege that the agreement entered into some months ago for the men to work nine hours per day, instead of ten and a half, has seriously injured their trade, they have, therefore, given the men notice that the old rates will be returned to and as the men refuse to accent the conditions offered. returned to, and as the men refuse to accept the conditions offered, one of those hateful strikes is again the result. The Coal Trade con-tinues good in all its branches, most of the works being well emtinues good in all its branches, most of the works being well employed, and there certainly is a good prospect for the present year. The Iron Trade improves very slowly, and numbers of puddlers and millmen are inadequately employed; it is, however, hoped that as the year advances more employment will be met with in those and all other branches of the trade.

I other branches of the trade.

The meeting of the Northern Institute of Mining Engineers, on turday, was well attended, indeed it was crowded. Several new members are elected and others proposed, and this is one proof of the growing prospety of the Institute that new members are elected at most meetings, and the

Mr. J. Daglish's paper, "On the Conveyance of Coal Underground," Mr. J. Daglish s paper, "On the conveyance of coal chaef ground, was most elaborate, and will prove a valuable addition to this class of mining Hierature, as many details are given of the working of underground engines, and diagrams, showing the power required at each stage of the journey. It will be recollected that this subject was prominently brought forward at the Manchester meeting and much discussion took place on the conveyance of coals underground by means of tail-ropes, endless chains, &c. A committee was also appointed to report on the whole subject, and the members of the committee are at present collecting information, and making experiments, so that much valuable information may be expected on those points when this report is given, and discussed, together with the various papers which have been read, bearing the same important question.

and discussed, together with the various papers which have been read, bearing on the same important question.

A very lengthy and elaborate paper was also read by Mr. Cochrane,

On Ventilating Fans," more particularly on the machines of Guibal and Lemielle, but incidentally all the more important fans now in use on the Continent and in this country were passed in review. The main principles of mine ventilation were also touched upon, and the paper, when printed, cannot fall to be highly interesting and important. It is plain that ventilation by machines is destined to occupy more attention in this country in future than it has done hitherto, and it is believed by many that they will be successfully applied to the ventilation of mines generally. The large air-pump of Mr. Struve, of Swansea, attracted much attention at one time, but it does not appear to have made much progress of late; at any rate, the only machine ventilations which are attracting attention in the North of England are those of Guibal and Lemielle, and those are fully treated of in the paper of Mr. Cochrane. All who have interested in the subject, and have an opportunity, should read this paper.

chines have been erected at the Elswick Colliery, near output's machines have been erected at the Elswick Colliery, hear Newcastle, and at the Pelton Colliery, near Chester-le-Street; both these machines are doing good work, and producing a large amount of ventilation through the works; and Lemielle's machine is at present in course of erection at the Page Bank Colliery, near Durham,

o that on the completion of this latter machine a practical solution of the question as to the relative merits of the two muchines may, perhaps, be arrived at. It must be considered that the subject is a permaps, or arrived at. It must be considered that the subject is a most difficult one, as a great number of conditions are to be attended to, not only as to the state and dimensions of the particular machine employed, but also as to the extent and dimensions of the workings ventilated

NEW BRANCEPETH COLLIERY WINNING.—The workmen employed sinking the above colliery have discovered, at a depth of 67 fathoms, a fine up of clean coal, 2 feet 11 inches in thickness. Mr. Teasdale is the engineer, d Mr. Cechane the premietor. and Mr. Cochrane the proprietor.

REPORT FROM MONMOUTH AND SOUTH WALES.

FEB. 7.—The slight improvement in the Iron Trade of South Wales FEB. 7.—The sight improvement in the fron trade of South waies, noticed in last week's report, is maintained, still business is, comparatively speaking, in a very depressed state, and it is with difficulty thatmany of the ironmasters can keep their works in operation. The new proprietors of the Aberaman Works, who came into possession on Monday last, have determined on stopping all the manufacturing departments and blast-furnaces, continuing only the mineral portion in operation. Within the last few days there has been an accession of exdess but although they are not of much value their heins. of orders, but, although they are not of much value, their being brought forward is looked upon as a hopeful indication of what may be expected to follow. There is no doubt that, as the year advances, the home requirements will be considerable; and, should the railway companies and the great contracting firms be able to provide the necessary capital to carry out their contemplated projects, a large amount of animation will be infused into the demands, and transaccossary capital to carry out their contemplated projects, a large amount of animation will be infused into the demands, and transactions will be more freely entered into. Signs of an improvement are manifested in the iron shipbuilding trade, and, should this favourable movement continue, the plate branch of iron manufacture will be much benefited. It is reported that Mr. W. Morris, Mr., is about becoming a partner with Mr. W. H. Nevill, of the Old Lodge Ironworks and Iron shipbuilding yard, Llanelly, and that he will invest a considerable sum in the concern. With resard to the notice of a reduction in wages given at the Monmouthshire ironworks, and noticed in last week's report, it may be stated that the hands at the leading establishments have expressed their willingness to accept the reduced scale, being convinced that the depressed state of the trade compelled the masters to adopt the course taken. They, however, expect that as soon as the demand will improve there will be a return to the old scale of wages. When this reduction is carried out wages will then be 20 per cent, lower than was the case 18 months ago. The committee of four shareholders recently appointed to examine into the affairs of the Ebbw Vale Company (Limited) have visited the establishments in Monmouthshire, but from what transpired during their inspection it is clear that their knowledge of Iron making, and of the value of iron works, is a limited one. They may be good men to examine accounts, but as to any practical suggestions in reference to the working and developing of the company's vast property, their report cannot be of much value to the shareholders.

The export trade is chiefly confined to New York and New Orleans, for which ports a considerable quantity of railway iron has been shipped during the week at Newport. A few cargoes of bar-iron have also been elaered out from Cardiff for the continental markets. The aspect of affairs in the United States still creates a feeling of anxiety among several of the frommasters in this distr

being done on coasting account.

The Bristol and South Wales Wagon Company (Limited) directors have determined to recommend a dividend and bonus equal to 12 per cent unnum, at the forthcoming general meeting, as well as earry large balanc he contingent and reserve funds. The company are not in any way aff by the suspension of Messrs. Shackleford and Ford, who were formerly

At the Bridgend Petty Sessions, on Saturday last, a charge was prethe Bridgend Petty Sessions, on Saturday inst, a charge was pre-against Richard Thomas, for smoking underground in the Llynvi Vale cy. John Jones, the overman of the gin-pit of the Llynvi Vale Colliery, e saw defendant sitting down in the main heading smoking a pipe; he him what he was doing, when defendant replied that he was doing no-and hoped he (the overman) would not report him. Upwards of 200 men in the pit at the time. Defendant did not appear, and a warrant was

anted for his apprehension. The freighters, traders, and other parties connected with the neigh-The freighters, traders, and other parties connected with the neighbourhood of Britonferry, are bestirring themselves in the matter of obtaining the narrow-gauge system extended to the harbour and docks. They contend that if the narrow-gauge were laid down to the harbour live would place them in direct and unbroken communication with Aberdare, Merthyr, the various coal fields in Glamorganshire, the Midland Counties, and the North of England, and also with the narrow-gauge railway system to the East, with which a large and increasing trade is carried on. At an influential meeting, presided over by Mr. 6, H. Bond. Chairman and general manager of the South Wales Mineral Railway Company, it was resolved to forward a memorial to the Chairman and directors of the Great Western Company, urging upon them the desirability of extending their proposed narrow-gauge line to Britonferry. The Chairman stated, in the course of his observations, that Britonferry was the great outlet for all the South Wales mineral traffic, one freighter alone paying the enormous sum of 50,000, per annum for transit dues, and that it was the intention of Mr. Taibot to lay down a third rail at his own expense, from Neath to Port Taibot. The Monmouthshire Railway and Canal Company directors, in virtue of the powers vested in them, have elected Mr. John Lawrence, of the Combran Ironworks, and Mr. William Evans, of Newport, to fill two vacancies at the board.

at the board.

The arrivals at Swansea include—the Admiral Fitzroy, from Wallaroo, with 50 tons of copper ore, for Richardson and Co.; the Augusta Schneider, from Cuba, with 530 tons of copper ore, for Richardson and Co.; Copjapo, from Carrizal Bajo, with 11,085 quintals of copper regulus, for Richards and Power; the Undaunted, from Tilt Cove, with 196 tons of copper ore, for H. Bath and Son; and the Star of the West, from Chill, with 530 tons of copper ore, for H. Bath and Son.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

FEB. 7.—Trade, both in respect to Iron and Hardwares, is still very dull, but there are signs of recovery in the case of the latter, and even the demand for iron is, perhaps, a shade better. Beyond that there is nothing to say.

Before the terrible calamity at Talke passes out of notice, a few words may not be out of place respecting it. One point which must have struck everyone who has paid attention to the evidence given at the inquest is the want of sympathy of views and of feeling be-tween the skilled managers and their subordinates who constantly directed the operations. To put aside for a moment the violation of rules by workmen in opening their lamps, smoking, striking matches, the firing shots without inspection, and lighting lamps in return air-ways—there was an evident absence of such an earnest impression on minds of the subordinates of the danger of the mine, and the necessity of keeping every part of the arrangements for ventilation in good order, as those at the head of the work should at any rate have earnestly striven to produce. One fancies that it should have been found on enquiry that all the firemen had been gathered together by the manager, and the danger attending the workings pointed out; urged specially to see that should have been which depended the ventilation of a dangerous part of the mine, was never kept open, except for a short time, and that its importance should have been so felt that the upsetting of the train, which preshould have been so leit that the upsetting of the train, which prevented its being promptly closed, should have at once led to steps being taken either to restore the ventilation by other temporary means of closing the opening, and by withdrawing the men. The success of a man who carries on large operations depends as much on being able to infuse his own spirit and to impress his views on the minds of those who carry them out as on having correct views himself.
One can hardly avoid a reflection similar to that which Lord Macauley
made in his sketch of the life of Warren Hastings, who, he said, was arged by the East Indian Directors to send them money, and also told wave to the natives and their chief with generosity and forbear. Hastings, duly estimating the real wishes of those whom he ance. served, obeyed the injunction, and disregarded the homilies. It is to be feared that a sort of feeling that the work must go on, that too much fuss must not be made about every trifle, pervades the minds of those who stand between the working miner and the general ma-nager; and that a man who values his situation, and hopes for pro-motion, rather avoids than seeks occasion to report sources of danger,

or to check the "get of coal," by guarding against possible calamities.

Another point is the evident indifference of workmen to danger, and their unwillingness to sacrifice even a personal indulgence, much

Mr. M'Donald has done well in bringing out with emphasis the Mr. M'Donald has done well in bringing out with emphasis the total disregard of precautions by the men, and the complicity of the foremen, and also the dangerous state of the pit for some time before the accident. He may, however, do more. Is it not possible to create amongst colliers an intelligent appreciation of the sources of danger in mining, and a spirit of determination that necessary precautions shall not be violated? The man whose fears were aroused, and who saved his life by leaving the pit in consequence, never said a word to his comrades or superiors as to the apprehensions be entertained. It is to be feared that English courage prevails amongst miners in the form of hostility to "croakers" to such an extent, that a man who sees danger shrinks from expressing his anticipations. The men are sees danger shrinks from expressing his anticipations. The men are not so servilely dependent on masters or managers as to fear speaking their mind, if it be the *collective* mind of the whole body, but too many facts show that individual workmen stand in excessive awe of the majority, or, rather, of the prominent men who speak in the name of the rest.

the majority, or, rather, of the prominent men who speak in the name of the rest.

An incident at the inquest is worthy of mention, and does not call for comment. A handbill had been printed and posted, evidently by working colliers, containing some remarks by the Editor of the Mining Journal, reflecting on the management of the mine, to which it was added at the foot this observation—"May the Lord save you from the jury that stamped with their feet and gave applause to that creature Coe, when he whitewashed the manager, Johnson, and who at once after admitted all was wrong. Miners of Staffordshire! Rise in your strength and call for vengeance on the wholesale murders that have taken place amongst you. The Miners' Association can save you from it." Commenting on this handbill, the Coroner said it was "libellous, untrue, and as false as hell." Surely such an accident as that at Talke should be the subject of a different enquiry than that conducted by such a Coroner and such a jury. We shall not, probably, have even Mr. Wynne's report for a year and a-half. Government should, at any rate, call for and print the report of its own officer on such a case without waiting for the issue of this year's Blue Book.

Again, the enquiry casts doubts on the assumption of the Inspectors before the Committee of the House of Commons last year that tors before the Committee of the House of Commons last year that no additional inspection is required. They are right in maintaining that the mine owners and their managers must not be released from the responsibility of determining on the course of action to be pur-sued, but it is difficult to resist the impression that one or two sub-

sued, but it is difficult to resist the impression that one or two sub-inspectors under them, acting as their eyes, and reporting to them, would often discover violations of rules and of the condition or good management which are now only revealed by their fatal results.

Two men were killed last week by a fall of coal at the Botteslow Colliery, near Hanley, in North Staffordshire, the proprietors of which are Messrs, Crewe and Pratt. There have been many lives lost at this colliery, and at a recent inquest, Mr. Wynne, the Government Inspector, remarked in very strong terms on the want of care in the management. It appeared that the opening was wide, and that on one side there was a fault, and in Mr. Wynne's opinion there should have been four times as many props as were used. Mr. Crewe, one of the proprietors, attended the Inquest, and said the men were not stituted in anything, but were provided with everything they wanted. Expense of the pit were making arrangements for a more effective management of the pit, in which he had asked the assistance of the fovernment Inspector. Expense was not a question with them: they were only anxions to have the pit worked to the best advantage, and with safety. They were worn out by the repeated accidents which had taken place there, and he wished to say that they had been caused by no want of care or any stinglines on the part of the proprietors. The jury, in returning a verdict of "Accidental beath," coupled with it the expression of opinion that there had been great carclessnoss—only failing short of criminal enlipshilty—on the part of the proprietors. The jury, in returning a verdict of "Accidental beath," coupled with it the expression of opinion that there had been great carclessnoss—only failing short of criminal enlipshilty—on the part of the person whose duty it was to look after the timbering.

An explosion occurred on Friday at the ironstone pits of Messrs, Sparrow, at Longton. Seven persons were injured, three of whom were conveyed to the infirinary, and hopes a

An explosion occurred on Friday at the ironstone pits of Messrs, Sparrow, at Longton. Seven persons were injured, three of whom were conveyed to the infirmary, and hopes are entertained of their ultimate recovery. Of the other four, who were taken home, all but one are going on well, but he is very badly burnt, and his recovery is as yet doubtful. It is understood that the men were working with naked candles at the far end of the dirfit, and that the explosion took place directly after the firing of a shot. Stephen Cooper, one of the buttles at the pit, is amongst those slightly injured.

At the Oldbury Carringe Company meeting, at Worcester (Mr. R. W. Johnson, chairman), a dividend at the rate of 15 per cent. per annum, free of income tax, was declared. The Midland Wagon Company declared an interim dividend will be at the rate of 15 per cent, per annum; and the Patent Nut and Boit Company will pay a dividend of 10 per cent.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

FEB. 7 .- There is no alteration in the Iron Trade of Derbyshire equiring notice, the demand at the largest establishments for gas nd water-pipes being fully equal to what it has been for some months ast. Matters at the collieries in the same district are much healthier han they have been, and the dispute at Staveley and Clay Cross is fast approaching a termination. At the former place most of the workmen whose notices have expired have again offered themselves to be taken on, whilst the secessions from the Miners' Association are so numerous that the company now find no difficulty in keeping all their collieries fully going. At Clay Cross, also, a free labour society has been established, to which the men have flocked in great numbers. So far there is very little doubt that the attempt to form an association antagonistic to the colliery proprietors has signally failed. The returns for January show that a much larger quantity of coal than usual has been sent from Derbyshire to the metropolis, the Clay Cross Company alone having forwarded 25,415 tons, of which the London and North-Western Company carried no less than 12,714 tons, whilst Staveley, in addition to its own large consumption, and the to be taken on, whilst the secessions from the Miners' Association are

Cross Company alone having forwarded 25,415 tons, of which the London and North-Western Company carried no less than 12,714 tons, whilst Staveley, in addition to its own large consumption, and the many markets it has to supply in other localities, sent to the same place 3912 tons. Business is by no means so active in the Sheffield district as is usual at this time of the year, although some of the steel houses are kept fully going, but in several of the other branches matters are very quiet. Notices have been given to some of the pudlers at one of the largest establish ments that they must submit to a further reduction, in consequence of the present state of the iron trade, otherwise they will have to go out; and it is expected that the men will prefer turning out to remaining at work.

In the iron and colliery districts of South Yorkshire matters are in a much healthier state than they have been for some time. At Elsecar one of the blast-furnaces is at work, and two new ones are expected to be shortly blown in. It is said that there is a good prospect of the trade in ralls being resumed, as an order for 7009 tons has just come to hand. At Milton, where the men have been out, the blast-furnaces were blown in on Sunday night, an agreement having been come to, concessions on both sides having been made. The coal trade continues active, and the orders on hand for Silkstone house coal are sufficient to keep the collieries going. At some of the Barmsley collieries, however, during the last few days there has been a failing off, so that stacking habeen resorted to. The London trade, however, continues active, and the very high prices charged to the metropolitan consumers have been reduced during the past week. During January the quantity of Silkstone sent to London was very large lendeed, and included 3505 tons from Wharnellife Silkstone, 2529 tons from Newton and Go., 2654 tons from Cooper and Go., and 262 tons from Mr. Clerkes. To Leeds, Sheffield, and the Lancashire cotton districts a good business has been done,

the bodies.

The strike of ironworkers in Blackburn, who refuse to agree to a reduction of their wages, has thrown about 3000 men out of employment. At a meeting on Monday the men again passed a resolution not to accept the reduction. A few of the works are still in operation on the old terms.

A meeting of colliers connected with the Colliers' Union of Ash-

A meeting of colliers connected with the Colliers' Union of Ashton-under-Lyne, Dukinfield, Newton, Bardsley, Waterloo, Brondoaka, and Copperas House, was held on Monday, under the presidency of Mr. Joseph Tomlinson, of Dukinfield Hail. There were about 1500 present, and each lodge was represented by a delegate. Resolutions were passed in favour of the hours of labour in coal mines being limited by law to eight hours per day; against contracts of service, as being entirely for the benefit of the master, so long as the labourer is not paid by the day, but by plece, who is thus at the mercy of the master, who is not compelled to find him sufficient work to occupy his time, and condemning indignantly the determination of the masters to employ new hands without receiving with them a certificate of the master to employ new hands without receiving with them a certificate of character from their last place of employment. After a long address from Mr. Brown, followed by some discussion, it was unanimously resolved that no one over 14 years of age should be allowed to join the Union who was not a miner. The question as to engaging an agent was referred back to the lodges for discussion. On the lodges being called over, it appeared that some had received an advance of full twopence in the shilling; others had only partly received the advance, and some had not received the advance at all; and it was determined to refer this question back to the lodges and the district committees, and to communicate with Oldham, Poynton, and other places. A long discussion took place as to the commencement of the eight-hours system, and the conclusion was to refer it back to the lodges and the district committees, and to conclusion was to refer it back to the lodges and the district committees, and to conclusion was to refer it back to the lodges and the district committees, and to conclusion was to refer it back to the lodges and the district committees, and to conclusion was to refer it back to the lodges and the district committees, and

less a reduction of the money they may earn, for a regard to safety. Trades, was held at Nottingham, yesterday evening, whom Mr. Ward,

Yorkshire (delegate from the Miners' National Association), urged the necessity for better ventilation in coal mines, and called upon the meeting to petition Parliament for that object, and also for a better inspection of the pits. He advocated the eight-hours movement. Mr. Clarke, of South Wingfield, concurred. He said the colliers wanted to get paid for 20 cwts. to the ton; in many places 30 cwts. had to be worked to the ton, and this, he thought, was a great grievance. Alluding to a proposition of the Government to bring forward a measure for improving the relations between masters and men, Mr. West (secretary of the Nottingham Lace Trade Union) said that the men were willing to meet the masters amicably, but he thought the Government should be very careful how they dealt with Trades' Unions as they were organised at present.

At the Wakefield Court-house, Moses Day, employed at the West Ardsley Coal Company, was charged with violating the colliery rules. On Jan. 19 he smoked in the workings, lighting his pipe by drawing the fiame of his safetylamp through the gauze. He was sentenced to 14 days hard labour, and was also fined 21, or in default 14 days additional imprisonment for leaying his work without notice.

also fined 2c., or in default 14 days additional imprisonment for leaying his work without notice.

At a meeting of miners in Manchester, Mr. M'Donald, President of the Miners' National Association, said he would teil them what he thought should be done to improve the condition of the collier. There should be a Minister of Mines, more inspection, and more education for the miners' children. They should never rest satisfied till the sacrifice of life to the extent of 1000 a-year was ended. He would not recommend revolution; but he had some influence with the mining population of this country, and if need be he should not he slate to ask the colliers to lay down their tools for a week, so that the public might be made to feel the want of the country, and if need be he should not he slate to ask the colliers to lay down their tools for a week, so that the public might be made to feel the want of the comforts which the miner supplied, and compelled to assist the miner in securing the reforms he so greatly needed. One great help in that movement would be to compel colliery proprietors to keep the widows and orphans whose husbands and fathers had lost their lives in the pits. If the Legislature compelled colliery owners to adopt that course, and refused to allow the sufferers to go on the poor rates, the colliery owners themselves would adopt better means to preserve life He considered the recent inquests at Barnsley and Talk-o'-th'-Hill as mere mockerles, and he hoped the miners would ask for a Royal Commission of pounds, shillings, and pence; and that for their moral improvement it was necessary there should be a great improvement in education. He moved that Government should be a great improvement in education. He moved that Government should be asked for a Royal Commission into the recent accidents at the Oaks and Talke be asked for a Royal Commission into the recent accidents at the Oaks and Talke be asked for a Royal Commission that the gas within mines should be sufficiently diluted had rendered harmless, and, At a meeting of miners in Manchester, Mr. M'Donald, President of

io keep the flame alive. In the course of in respector in their pits. About 400 hands were held up; and one of the audience said he had been a collier for 37 years, and he had never seen a Government Inspector in his life.

PUDDLING BY MACHINERY.—The proprietors of the Northfield Ironworks, near Rotherham, have had in operation for the past three weeks a machine for puddling iron, which has proved most satisfactory. The machine is the invention of Mr. John Griffiths, of Derby, and is the result of a number of experiments made during a long practical experience in the case he placed on any ordinary furnace; and will not complicated to the case he placed on any ordinary furnace; and will not complicated by the duality of iron usually operated upon, and finish it better, but it will do it at a less percentage of waste. It is not expected to supersede entirely human skill and exertion. The judgment, attention, and practical experience of the puddler, we are informed by Mr. Griffiths, will always be required, so long as the present system of making iron shall last; but this apparatus will lesses overy much the mere physical toil now required in the process. The workmen at Northfield have taken to it wonderfully, finding that it does better both for them and their masters than they could themselves. The furnace is charged in the ordinacephic the iron curds and whey continually comes, and year, when the puddler should begin to strain back, muscle, and nerve, and perspire from every pore of his naked skin, he coolly puts his long rake or poker into the hands of a long iron bar, with a rest that does duty for hands, and which hangs suspended in front of the furnace, turns on the steam, and immediately the iron bar begins puddling with a measured turn, twist, and poke, which works the iron quite clean fror, the bottom, and out of the jams of the furnace, and puddles thabout into the ball condition, that renders it agreeable to the shindlers." From the time the heat was charged yesterday to getting out to be given to the

Norwood Colliery, Killamarsh, Chesterfield,—On Saturday a substantial supper was provided for the workmen at this coiliery, by the Sheepbridge Coal and Iron Company (Limited), in commemoration of having reached coal there, at a depth of about 179 yards. Upwards of 80 sat down, and a very pleasant and agreeable evening was spent by all present. Amongst the company were the Rev. E. H. Smith, Incumbent of Killamarsh, and several Killamash gentlemen. Mr. Longbottom, manager at the coiliery, was called to the chair, and, after the cloth was drawn, briefly opened the proceedings, by referring to the remarkable and almost unexampled success that has attended the sinking of these shafts, the coal having been reached without a single accident of any kind; he considered this a matter for congratulation and thankfulness, as they had difficulties to contend with in the earlier part of the sinking which required both great skill and judgment from the management, and also great endurance and exertion on the part of the men, to overcome. He paid a high tribute to the master-sinker, Mr. Wain, for the tact and energy he had shown in the undertaking, and congratulated all on the amicable way they had worked together, and on the good feeling that had prevalled throughout. The Chairman then proposed "Continued Success to the Norwood Colliery, and Prosperity to the Sheepbridge Coal and Iron Company," which was drunk with great enthusiasm. Mr. Smith next proposed the health of Mr. W. Fowler, Whittington Hall, the esteemed managing Chairman of the Sheepbridge Coal and Iron Company, which was arguit and Iron Company, which was a rapturously drunk with musical honours, and with three times three cheers and one over, and same honours for Mrs. Fowler and family. Mr. pany, which was rapturously drunk with musical honours, and with three times three cheers and non cover, and same honours for Mrs. Fowler and family. Mr. Birkbeck and Sheepbridge staff received a similar ovation; also Mr. Longbottom, manager at Norwood. Other toasts were drunk, and the remainder of the evening was spent in songs, &c., most of them given in really excellent style. Mr. Simmonite, Angel Inn. Killamarsh, was the caterer, and great credit is due to him for the way in which the supper was served. The Norwood Colliery is sunk for the purpose of obtaining the Hard Coal. The seam is nearly 5 ft. in thickness, of excellent quality, and will, no doubt, prove a very valuable property to the Sheepbridge Coal and Iron Company. Very powerful machinery is already erected, and when the colliery becomes developed it is expected that the daily output will be from 600 to 700 tons. The Midland Company are now constructing a railway to the colliery, the Act for which was obtained last session.

THE WREXHAM ADVERTISER, DENBIGHSHIRE, FLINT-SHIRE, SHROPSHIRE, CHESHIRE, AND NORTH WALES REGISTER (Established 1848).—The town of Wrexham forms the centre of a large and important agricultural and mining district, which, from the increasing attention of capitalists, aided by the advantages afforded by new rallways, is rapidly increasing in population, and bids fair to rival Wolverhampton in commercial importance. The Advertiser, partaking of the general prosperity, has largely increased its weekly circulation, 1000 more copies being now issued of each impression than at the close of 1864, and it now has a circulation more than double that of any other paper published in Denbighshire and Flintshire, and is the only medium by which advertisers can fully and effectually communicate with the public generally in those counties. Price 2d., stamped 3d. Published by Bayley and Bradley, Advertiser office, Wrexham.

CAPT. S. MICHELL, of NEW TRELEIGH MINE, REDRUTH, has PROCURED SEVERAL MINING SETTS, TWO of which are situated in the neighbourhood of the CHIVERTON MINES, and are traversed by several large SILVER-LEAD LODES peculiar to that district; and one in ILLOGAN, containing five lodes, all of which are productive in COPPER, BLENDE, MUNDIC, and LEAD. Also, a MUNDIC SETT, that he can safely recompagnic Capt. S. MICHELL will not object to negociate with any respectable party with a view to DISPOSING OF or WORKING these VALUABLE PROPERTIES.

THE HENDDOL SLATE AND SLAB COMPANY (LIMITED), BIRMINGHAM.—Notice is hereby given that the FIRST ORDINARY MEETING of the skareholders of this company will be HELD at the Hen and Chickens Hotel, Birmingham, on TUESDAY, the 26th of February, at noon precisely, to receive a statement of the accounts to the 31st December last, and the directors' report, and also to appoint directors and anditor.

By order of the Directors, W. HOLMDEN, Sec.

N.B.—The transfer books will be closed from the 18th inst. inclusive the after this meeting.

THE-CROWN PRESERVED COAL COMPANY (LIMITED).—
Notice is hereby given, that the ELEVENTH ORDINARY GENERAL MEETING of the shareholders of this company will be HELD at this office on Thursday, the 14th inst., at Three o'clock in the afternoon.
Liverpool, February 5, 1867.

THE CREDIT FONCIER OF ENGLAND (LIMITED).—
Notice is hereby given, that the HALF-YEARLY GENERAL MEET.
ING of the company will be HELD on MONDAY, the 18th February, 1867, in
the Large Room, Exeter Hall, Strand, London, at Twelve o'clock at noon precisely. By order of the Court of Directors,
St. Clement's House, Clement's Hale, London, E.C., 8th Feb., 1867.

LONDON AND COUNTY BANKING COMPANY.

ESTABLISHED 1836.
Subscribed capital, £1,875,000, in 37,500 shares of £50 each.
Pald-up capital, £1,875,000, in 37,500 shares of £50 each.
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HEAD OFFICE,-21, LOMBARD STREET.

HEAD OFFICE,—21, LOMBARD STREET.

At the ANNUAL GENERAL MEETING of the proprietors, held on Thursday, the 7th February, 1867, at the London Tavern, Bishopsgate-street, the following report for the year ending the 31st December, 1866, was read by the secretary.

REPORT.

The directors, in submitting to the proprietors the balance-sheet of the bank for the half-year ending 31st December last, have the pleasure to report that, after paying all charges, and interest to customers, and making ample provision for bad and doubtful debts, the nett profits amount to £101,9815s. This added to £17,468 fes. 6d., brought forward from the last account, produces a total of £118, 6d.

They recommend the payment of the usual dividend of 6 per cent., together with a bonus of 8 per cent., for the half-year, both free of income tax, which will

of £115,467 11s, 64.

They recommend the payment of the usual dividend of 6 per cent., together with a bonus of 8 per cent., for the half-year, both freed income tax, which will absorb £105,000, and leave £14,467 11s, 64, to be carried forward to profit and loss new account. The dividend for the whole year 1866, will thus be 25 per cent. At the meeting in February, 1866, it was intimated to the proprietors that the directors proposed to increase the capital of the bank, and at the meeting in August, 1866, the proprietors, by a resolution, adopted the recommendation of the directors. It will be proposed to act upon this resolution (which will require formacconfirmation) by the issue of 12,500 new shares, to be offered provide amongst the proprietors as they appeared on the register on the 4th inst. the date when the transfor-books of the company were closed, such shares to be issued at the price of £40 each, being a premium of £20 per share. The total number of shares will then be 50,000. Full particulars of the issue will be transmitted by circular to each proprietor.

The directors have to announce the retirement of Edward J. Hutchins, Esq., and William Lee, Esq., M.P., from the direction, and the election of Hugh C. E. Childers, Esq., M.P., and Edward W. T. Hamilton, Esq., M.P., in their stead. The directors retiring by rotation are—Nathaniel Alexander, Esq., Thomas Tyrjngham Bernard, Esq., and William Nicol, Esq., who, being eligible, offer themselves for re-election.

There is a vacancy in the auditorship, through the disqualification of Mr. Robert Escombe, and it is in the power of the meeting to fill this up.

The dividend and bonus (together £2 16s. per share), free of income tax, will be payable at the head office, or at any of the branches, on and after Monday, the 18th linst.

BALANCE-SHEET OF THE LONDON AND COUNTY BANKING COMPANY, DECEMBER 31, 1866.

PROFIT AND LOSS ACCOUNT.

Profit And Loss Account.

To interest paid to customers

Expenses, as above.

Rebate on bills not due, carried to new account

Dividend of 6 per cent. for the half-year

Bonus of 8 per cent.

Balance carried forward 99,813 11 24,868 2 45,000 0 Total£337,426 11 3

We, the undersigned, have examined the foregoing balance-sheet, and have cound the same to be correct.

(Signed) WILLIAM NORMAN, Auditors. (Signed) WILLIAM NORMAN, R. H. SWAINE, London and County Bank, 31st January, 1867.

The foregoing report having been read by the secretary, the following resolu-ions were proposed and unanimously adopted:—
1.—That the report be received and adopted, and printed for the use of the breshelder.

1.—That the report be received and adopted, and printed for the description shareholders.

2.—That a dividend of 6 per cent., together with a bonus of 8 per cent., both free of income tax, be declared for the half-year ending 31st December, 1886, payable on and after Monday, the 18th instant, and that the balance of £14,467 11s, 6d. be carried forward to profit and loss new account.

3.—That William Nicol, Esq., be re-elected a director of this company. That Thomas Tyringham Bernard be re-elected a director of this company. Nathaniel Alexander, Esq., be re-elected a director of this company.

4.—That William Norman and Richard Hinds Swaine, Esqs., be elected auditors for the current year.

4.—That Windam Schman and Recard to the current year.
5.—That Frederick Francis, Esq., be elected an auditor for the current year.
6.—That the thanks of this meeting be given to the board of directors for the

able manner in which they had conducted the affairs of the company.
7.—That the thanks of this meeting be presented to William Norman and
R. H. Swaine, Esqs., the auditors of the company, for their services during the

past year,
8.—That the thanks of the meeting be presented to William McKewan, Esq.,
and to the principal and other officers of the bank, for the zeal and ability with
which they have discharged their respective duties.

Signed, HUGH C. E. CHILDERS, Chairman.

The Chairman having quitted the chair, it was resolved, and carried unani-The Chairman naving quantum mously—
9.—That the cordial thanks of this meeting be presented to Hugh C. E. Childers,
Esq., M.P., for his able and courteous conduct in the chair.
Signed, W. CHAMPION JONES, Deputy-Chairman.
Extracted from the Minutes.
Signed. F. CLAPPISON, Secretary.

LONDON AND COUNTY BANKING COMPANY.

Notice is hereby given, that a DIVIDEND on the capital stock of the company, at the rate of SIX PER CENT, for the half-year ending 31st December, 1886, with a BONUS of EIGHT PER CENT., will be paid to the proprietors, either at the head-office, 21, Lombard-street, or at any of the company's branch banks, on and after MONDAY, the 18th Instant.

By order of the Board,

21, Lombard-street, Feb. 8, 1867.

R O B E R T L I B B Y A N D SHARE DEALERS, CAMBORNE, CORNWALL. 8 O N. CARNARVON AND BANGOR SLATE COMPANY

(J.MITED).

Registered under the Joint-Stock Companies Act.
Capital £100,000, in 10,000 shares of £10 each.
Deposit £1 per share on application, £2 on allotment.
No call will exceed £1, or be made at intervals of less than two months.

No call will exceed £1, or be made at intervals of less than two months.

DOHN ROBINSON, Esq. (Chairman of the British Slate Company).

WILLIAM TUXFORD, Esq. (Director of the Great Laxey Mining Company).

THOMAS PARLEY, Esq., London and Liverpool.

HENRY EDEN SULLIVAN, Esq. (Director of the British Slate Company).

WILLIAM E. WILLIAMS, Esq., Architect, 56, Ludgate-hill, E.C.

JOHN KIRKHAM, Esq., C.E. (Director of the County and General Gas Co.)

BANKERS—The Consolidated Bank (Limited), Threadneedle-street, London,

Charing-cross, S.W., and 46, Pali-mall, Manchester.

BROKER—John Inchbald, Esq., 2, Copthall-court, and Stock Exchange, London,

AUDITOR—Henry Lloyd Morgan, Esq., 2, Walbrook-buildings, E.C.

SECRETARY (Pro tem)—T. T. Jennings, Esq.

OFFICES—6, SHERBORNE LANE, LONDON, E.C.

OFFICES,-6, SHERBORNE LANE, LONDON, E.C.

OFFICES,—6, SHERBORNE LANE, LONDON, E.C.

This company has been formed for the purpose of working the celebrated Talysarn Slate Quarries, situated in Nantile Vale, Carnarvon, as also other slate quarries in North wales.

The property is about 70 acres in extent, and is held under a lease for 21 years, renewable for a further period of 21 years. The company have also the option to purchase the freehold of the estate within five years, should it be deemed desirable. There are seven large quarries fully opened on the estate, and several hundred thousand tons of slate have been made therefrom.

The slate rock is of the finest quality, and is of the colour and quality known as Bangor slates, being on the same veins as those running through the Penrhyn and Assheton Smith's Quarries.

The property is bounded on the north by the Cilgwyn Quarries, on the east by by the Pen-y-Bryn Quarries, on the south by the Dorothea Quarries, and on the west by the Coed Madog Quarries—all very important slate properties, and producing a large proportion of the slates sent to Carnarvon.

The entire estate is slate rock, the quality of which cannot be surpassed, and the quarries may be deemed practically inexhaust'ble; the situation is unequalled, the Nantile Raliway passing through the property to Port of Carnarvon (distant only eight miles), and there being a tram oad which leadsdown to the quay, the slates produced are carried direct out of the quarries in the company's own waggons on to the shipping quay at Carnarvon.

The property is fitted up throughout with the most extensive plant and machinery for working purposes, including steam-engines, water-wheels, water-balances, inclines, stores and materials of every description.

There are also a large number of buildings and cottages for workpeople on the property, with a residence for manager, &c.; the rentals for these alone are upwards of £200 per annum.

The Talysarn estate was purchased in 1827 by the celebrated goldsmiths, Messrs. Rundell, Bridge, and Co., who expended thereon i

Rundell, Bridge, and Co., who expended thereon in manimery and the partial devereelopment of the quarries upwards of £50,000, and there has since been expended several thousaud pounds in bringing the quarries to their present satisfactory condition.

The demand for slates has been steadily increasing for several years, and consequently there has been very considerable increase in the prices of the slates. A still further rise in the price of slates and s'abs has taken place this month, and the demand is still far in advance of the st. pyly.

It is proposed, in addition to the above extensive works, to construct machinery for the manufacture of slabs on a large scale, for which some of the quarries on the property are highly suitable.

Negociations are also pending for the acquisition of further slate property in this district, as also at Bangor, which, if carried out, will considerably increase the works and profits of this company.

The directors would confidently point out that this is one of those undertakings about which there can be no speculation or doubt; the whole of the property has been fully proved and opened, and has been well known for the last half century as one of the best slate properties in the United Kingdom, and is capable of development to almost an unlimited extent, and the profits will yield a very handsome return to the proprietors.

The works are now being carried on, ard all shares applied for will be allotted according to priority of application.

A plan of the estric and quarries is annexed to the prospectus, as also reports from the most eminent authorities on slate quarries, copies of which can be had, with forms of application for shares, from the bankers, broker, or secretary of the company.

SOUTH FOWEY CONSOLS COPPER MINE,
Situate in the parish of TYWARDREATH, CORNWALL.
In 6000 shares.
On the Cost-Book System, which possesses all the advantages of the Limited Liability, without its fines, penalties, and winding-up cumbrous processes, as any shareholder can, at any time, terminate his liability by a written notice to the purser.
Deposit on application, 5s. per share; payment on allotment, 5s. per share; all to go towards the general expenditure of the mine.
Future calls to be made as required.
DIRECTORS.
The Rev. Dr. TREFFRY, Place, Fowey, Cornwall.
ROBERT THOMAS HEAD, Esq., the Briars, Exeter.
EDWARD LAMBERT, Esq., 25, York-terrace, Regent's-park, London.
E. W. BLYDGES WILLYAMS, Esq., Nanklevel, St. Columb, Cornwall.
W. S. SUTTON, Esq., Brighton.
(With power to add to their number).

BANKERS.
Messes. Robarts, Lusbock, and Co., Lombard-street, London.

Messrs, Robarts, Lubbock, and Co., Lombard-street, London.
Messrs. Willyams, Treffry, West, and Co., South Cornwall Bank, St. Austell.
SOLICITORS.

BOLICITORS.

R. W. Head, Esq., Exeter; and
Messrs. Hampton and Burgin, 8, John-street, Bedford-row, London.
PURSER—Mr. William Polkinghorne, Woodlands, Par Station, Cornwall.
MANAGER—Capt. Francis Puckey, St. Blazey, Cornwall,
LONDON AGENT—Jehu Hitchins, Esq., St. Michael's House, Cornhill, London.

PROSPECTUS.

This sett extends nearly a mile in length from east to west, and half-a-mile in This sett extends nearly a mile in length from east to west, and half-a-mile in width from north to south, having on the south-west Par Consols, and on the north-east Fowey Consols, which mines have been two of the most productive in Cornwall, having yielded upwards of three million sterling in copper and the ores, giving profits to the sharcholders of more than four hundred thousand pounds. A shaft already sunk in the western part of the sett could be immediately made available, and when the water is drawn therefrom copper ores could be at once raised.

Twelve highly promising copper lodes have been discovered within the sett, from two of which, some years since, a quantity of copper ore of good quality was raised and sold; but from want of sufficient capital, these and the other lodes were not explored.

Twelve highly promising copper lodes have been discovered within the sett, from two of which, some years since, a quantity of copper or of good quality was raised and sold; but from want of sufficient capital, these and the other lodes were not explored.

It was always the intention of the late enterprising and successful miner, Joseph Thomas Treffry, Esq., to have properly developed this mining property. The Cornwall Railway passes through the property, Par Station adjoins it, and Par Shipping Harbour is about a mile distant; hence the produce of the mines and all necessary stores can be conveyed at comparatively very little expense, which are advantages of great importance.

Several working miners, who have been employed in the adjoining mines for many years, think so highly of the sett that they have subscribed for shares, and paid the deposit thereon; moreover, a large amount is promised to be subscribed for by inhabitants of the neighbourhood; this is a proof of the high opinion held by those who best know the ground.

Leases for 21 years have been secured within the last year on advantageous lerms, the dues ranging from 1-18th to 1-16th.

It is intended by mutual arrangement with the Fowey Consols Mine adventurers to unite with their setts, with a view of further developing several very promising lodes, which are known to exist in maiden ground, in the Fowey Consols agree to suspend the old and deep workings of their mine, and to make over their right and interest in the present setts and machinery to the new company, of which they will form a part to the extent of £6000 (the value of the said setts and machinery), to be apportioned to them respectively in shares in the new concern, according to their several proportions of the said £6000.

By such scheme the South Fowey Consols present pumping power, and will ensure to themselves the great advantage of having an abundant supply of water at an annual rental for the various operations of stamping, winding, crushing, &c. This will save an enormous expense.

o the purser or to the London agent. 2500 shares were taken before the issue of this prospectus.

.—Full reports appeared in the MINING JOURNAL of January 19 and 26. s may be had.

EXTRACTS OF A FEW OF THE REPORTS MADE.

EXTRACTS OF A FEW OF THE REPORTS MADE.

PETER CLYMO, Esq. (South Caradon Mine).—"I know the whole sett well; there are several very promising lodes contained in it that are well deserving of vigorous development, and if that is done my firm belief is the parties will be well remunerated for their outlay."

John Petherick, Esq. (Surbiton, Kingston-on-Thames).—"From my personal mowledge of the ground in question, * * * 1 consider it to be an excellent peculation for the investment of capital."

Capt. Francis Puckey (St. Blazey),—"I do not know a better speculation in the county of Cornwall,"

Capt. CHARLES THOMAS and SON (Doleoath Mine).—"Looking at the position of the mine, and at all the circumstances in connection therewith, we consider it to be a speculation of no ordinary promise."

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE thereon.

entire management of mines therein, enables min to off the therein.

Mining, Railway, and other Shares bought, sold, or exchanged. Shares for Offices, 5, Finsbury-street, London, E.C.

In Chancery.

CLEWS V. ALCOCK.

MR. JOHN HIGGINGBOTTOM WILL SELL, BY AUCTION, pursuant to an order of the High Count of Change. R. JOHN HRGGINGBUTION WILL SELL, B. ACCITION pursuant to an order of the High Court of Chancery, made in the above se, with the approbation of the Judge to whose Court the said cause is at hed, at the Railway Hotel, Stoke upon-Trent, in the county of Stafford, or 1884ay, the 28th day of February, 1867. at Four o'clock in the afternoon, in the Lots, an undivided FOURTH PART of and in certain

FREEHOLD AND IMPORTANT MINERAL PROPERTY. situate at Bucknall, in the parish of Stoke-upon-Trent, in the county of Stafford, comprising TWO FARM HOUSES, and ARABLE, MEADOW, and PASTURE LAND, and DWELLING HOUSES, and of and in HEREDITA-MENTS in Hanley, Staffordshire, and the ENTIRETY of HEREDITAMENTS in Burslem.

PARTICULARS.

LOT 1.—An undivided FOURTH PART of and in a FARM HOUSE and OUT-BUILDINGS, at Bucknall, in the parish of Stoke-upon-Trent, in the county of StaTord, with all those several closes of ARABLE, MEADOW, and PASTURE LAND theremuto belonging, as hereinafter described, and in the occupation of

LAND ther William Sla	eunto be ater, as	elonging, tenant fro	as hereii om year	to year,	at an	annual	in th	of	£17	4:-		1 01
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ing Lo	t S. the	same bein	g let top	gether.								

which includes the rent of the two cottages, comprising Lot 3, the same being let together.

—Big Colley Hill and lane.

—Sear ditto

—Near ditto

—And also the undivided fourth part of and in other closes of meadow or pasture land, called the Sandy Finney, situate at or near Northwood, Hanley, in the county of Stafford (separated from the farm lastly described by the River Trent), as hereafter described, in the cocupation of Edward John Ridgway, Es., as tenant from year to year, at the yearly rent of £32.

—Sandy Finney

—Sandy Finney

—10 0 37—10 0 37

The Lower" contains the Banbury coal, Cockshed coal, Bullhurst, coal, and the Winpenny coal. The first three seams are of good quality for household and manufacturing purpose. Of this lower series it is estimated there are about 110 acres of each of these seams under the estate. In addition to the above, there is a detached portion of about 11 acres, containing the Bullhurst coal and the Winpenny coal, with two pits sunk upon it, and an engine-house erected. The estate being within easy distance of the towns of Hanley and Soke-upon-Tront, and being intersected by the Biddulph Branch of the North Staffordshire Ballway, possesses extraordinary facilities of disposing of the coals when got.

Lor 2.—An undivided FOURTH PART of and in all that MESSUAGE or DWELLING HOUSE, situate at Bucknall aforesaid, with the out-buildings, yard, garden, stable, and appurtenances thereto belonging; and also of and in all that close of meadow or pasture land, situate at the rear of such dwelling-house, known as the Big Paddock, as heretiafter described as now in the holding of Jeremiah Beardmore, as tenant from year to year, at the annual rate of \$25.

36.—House, yard, garden, and office:

10 124

Big paddock

11 21

This villa revidence, from its desirable situation, being within easy distance of the Stafford-shire Potterles, and possessing every requisite convenience, render Estate.
The Lower" contains the Banbury coal, Cockshed coal, Bullhurst, coal, and

Big paddock

10 3 37 =1 1 21

This villa residence, from its desirable situation, being within easy distance of the Staffordshire Potteries, and possessing every requisite convenience, render it a desirable residence for a gentleman engaged in commercial pursuits.

Lot 3.—An undivided FOURTH PART of and in those TWO COTTAGE DWELLING HOUSES, or TENEMENTS, out-buildings, yard, garden, and appurtenances, situate in the village of Bucknall aforesaid, formerly occupied as a public-house, and called the Dog and Partridge Inn, as now in the holding of John Docksey and another, as tenant from year to year. These two cottages are held with the land called the Colley Hills, as before mentioned. A. R. P. 37.—Two cottages, out-buildings, yard, and garden.

0 28½

Lot 4.—An undivided FOURTH PART of and in all that MESSUAGE or DWELLING HOUSE, occupied as a beer-house, and called the "Crown and Cushion," situate at Northwood, in the borough of Hanley, with the brewbouse, yard, and appurtenances belonging thereto, as now held by Messrs. Baker and King, or their undertenant, as tenants from year to year, at the annual rent of 222. N.B.—The mines are reserved under this lot.

Lot 5.—An undivided FOURTH PART of and in all that PLOT or PARCEL.

£22. N.B.—The mines are reserved under this lot.

LOT 5.—An undivided FOURTH PART of and in all that PLOT or PARCEL of LAND, situate in Empson-street, adjoining High-street, in the town and borough of Hanley aforesaid, and having a frontage thereto of 36 ft. 3 in., as the same is now enclosed by a brick wall, adjoining the property of Mr. W. Wilson, and contains about 555 yards.

and contains about \$55 yards.

Lot 6.—An undivided FOURTH PART of and in all those TWO COTTAGES or DWELLING HOUSES and PREMISES situate in Queen-street, adjoining Broad-street, in the borough of Hanley aforesaid, in the holding of Elizabeth Tew and John Prichard, as weekly tenants, at the weekly rents of 2s. 8d. each.

Lot 7.—An undivided FOURTH PART of and in all that COTTAGE or DWELLING HOUSE and PREMISES, situate in Union-street, within the borough of Hanley aforesaid, as now in the holding of James Stevenson, as weekly tenant, at the weekly rent of 2s. 3d.

Lot 5. 6, and 7 are copyhold of the manor of Newcastle-under-Lyme.

N.B.—An annuity of £20, payable during the life of a gentleman, aged 57 years or thereabouts, is charged on the entirety of the foregoing lots. One-fourth of the amount, or £5 per anum, will be made payable out of Lot 1.

LOT 8.—The ENTIRETY of TWO FREHOLD DWELLING-HOUSES, numbered 12 and 14, Liverpool-road, Burslem, No. 12 being in the occupation of Thomas Robinson, as tenant from year to year, at the annual rent of £25; and No. 14, with cooper shop in front, in the occupation of Addrew Cliff, as tenant from year to year, at the annual rent of £15. This lot has a commanding frontage to Liverpool-road, and the site contains 614 yards.

Lot 9,-The ENTIRETY of a DWELLING HOUSE, No. 2, High-street, Bur-slem aforesald, in the occupation of Thomas Pass, as tenant from year to year, at the annual rate of £12 10s.

at the annual rate of £12 10s.

Lithographed plans and printed particulars and condition of sale may be had, gratis, of Messrs, ASUEST, MOURIS, and Co., of 6, Old Jewry, in the City of London, solicitors; of Mr. ALCOCK, solicitor, Burslem, Staffordshire; John Higgis BOTTOM, of Fenton, Staffordshire; Mr. C. J. H. Homer, mineral surveyor, Chatterley, near Tunstall, Staffordshire; Mr. RALPH HALES, SURVEYOR, Cobridge, Staffordshire; and of Mr. W. E. Twice, solicitor, Burslem.

SHAREHOLDERS IN PUBLIC COMPANIES desirous of violing calls and further responsibility will find purchasers on applying spr. BARRETT AND CO., 78. LOMBARD STREET, CITY, and No. 26. GARDENS, CHARING CROSS. Stocks, shares, mining, and other ancous securities bought and sold. Investment Review on application.

MR. JOHN POMEROY, HORRABRIDGE, DEVON. having had upwards of 30 years practical working experience as a copper and ner, OFFERS HIS SERVICES to INSPECT ANY MINING PROPERTY GLAND. Mr. POMEROY can offer some new tin ground in the West of

In the Court of the Vice-Warden of the Stannaries.

DURSUANT to an Order or Decree, made in the Cause of Walters. Robins, the creditors in respect of the EAST TAMAR MINE, in the parish of Beerferis, within the said Stannaries, are, on the 18th day of February inst., to COME IN and PROVE THEIR DEBTS before the Registrar of the said Court, at his office in Truro, or in default thereof they will be peremptorily excluded the benefit of the said decree. J. G. CHILCOTT, Truro

(Agent for E. Chilcott, plaintiff's solicitor, Tavistoph).

Dated Registrar's Office, Truro, Feb. 2, 1867.

In the Court of the Vice-Warden of the Stannaries.

IN the MATTER of the COMPANIES ACT, 1862, and of the TRESKERBY MINING COMPANY.—The Registrar of the Court has appointed Friday, the 18th day of February Inst., at Eleven of the clock in the forenoon, at the Registrar's Office, in Truro, to SETTLE the LIST of CONTRIBUTORIES of the ABJVE-NAMED COMPANY, now made out and, deposited at the said office.

WM. MICHELL, Registrar of the said Court, Dated Truro, February 4, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall

Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL SITHNEY AND CARNMEAL UNITED MINING COMPANY.

—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Tuesday, 19th February inst., at Twelveo'clock at noon, at WHEAL SITHNEY AND CARNMEAL UNITED MINE, in the parish of Sithney, within the said Stannaries, the MINE SETT or GRANT of the said company, and the undermentioned MINING MACHINERY and MATERIALS—Viz., ONE 23 luch STAMPING and WINDING ENGINE, 2 balance bobs, 1 shears and sheaves, 1 horse whim, with pulleys and stands, capstan, 1 angle bob, several fathoms 9-in. wood flat rods, fat rods, 2 pairs of yokes, 7-16ths horse whim chain, several whims, horse whims and winze kibbles, brass bell with stand, scales and beams with stands, smiths' cranes, several buckets different sizes, lifting jacks, old iron, rod and flange boits, staples and glands.

and glands.

At Engine-shaft on Wheal Sithney Lode: 28 large staples and glands, rod and flange boits, taples and glands.

There are also for sale the account-house furniture, and a variety of other effects in general use in mines.

The materials may be inspected any time prior to the sale on application to Mr. R. OLIVER, in charge thereof.

HODGE, HOCKIN, AND MARRACK, Solicitors, from Dated Registrar's Office, Truro, February 6, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NEW WHEAL MARTHA MINING COMPANY (LIMITED).—TEXDERS, stating the highest price that will be given for a parcel of MUNDIC, consisting of about 150 tons, now lying at NEW WHEAL MARTHA MINE, in the parish of Stoke Climisland, will be RECEIVED up to the 16th day of February inst., by the voluntary liquidators of the said company, addressed to—
Mr. J. G. CHILCOTT, Truro
(Agent for Messrs. Geach and Franklyn, 27, Great Winchester-street, London, Solicitors for the Liquidators).

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WOODLEY LANE TIN WORKS MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Tuesday, the 19th day of February inst., at Eleven o'clock in the forenon, at WOODLEY LANE TIN WORKS MINE, in the parish of Lanivet, within the said Stannaries, in Lots, the MINE SETT or GRANT of the said company, and the undermentioned MINING MACHINERY, MATERIALS, and EFFECTS, namely:—

namely:-24 in. STAMPING ENGINE, fly-wheel and BOILER complete, with 64 heads
of stamps complete, &c., and a variety of other articles and effects in general

use in mines.
Further information may be obtained on application to Mr. Tucker, in charge thereof.
HODGE, HOCKIN, AND MARRACK, Solicitors, Today.
Dated Registrar's Office, Truro, February 7th, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the SOUTH CARADON WHEAL HOOPER MINING COMPANY.—ALL CREDITORS or CLAIMANTS of the ABOVE-NAMED COMPANY who have not received notice from the Registrar of the said Court that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE THEIR SEVERAL DEBTS or CLAIMS, at the Registrar's Office, Truro, on Monday, the 18th day of February inst., at Eleven o'clock in the forenoon, or in default thereof they will be excluded from the benefit of any distribution made before such proof.

And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons), they are to send affidavits of their several debts or claims to the Registrar of the Court at Truro, such affidavits being sworn either before some Commissioner of the said Court, or before any Court, Judge, Justice, or any Cournissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

WM_MICHELL.

nd receive affidavits and affirmations.

WM. MICHELL.

Registrar of the above-named Court, Truro, Cornwall.

Dated Registrar's Office, Truro, February 7th, 1867.

TO MINE AGENTS, IRONFOUNDERS, RAILWAY CONTRACTORS, BUILDERS, AND OTHERS.

MESSES, BUCKLAND AND RENDELL WILL SELL, BY PUBLIC AUCTION, on Monday and Tuesday, 25th and 26th February, 1867. at the WEST BEAM MINE, near ASHBURTON, the VALUABLE MA-CHINERY and MATERIALS thereon, comprising:— ONE 55 in. cylinder STEAM PUMPING ENGINE, 9½ ft. stroke, equal beam,

ONE 58 In. cylinder STEAM PUMPING ENGINE, 9½ ft. stroke, equal beam, and TWO BOILERS 11 tons each, in excellent condition.

ONE 49 In. cylinder STEAM PUMPING ENGINE, 10 ft. stroke, equal beam, and ONE BOILER about 11 tons (nearly new), with a cast-iron balance-bob. ONE 24 in. cylinder BOTARY STEAM ENGINE, fly-wheel and drawing gear attached, and ONE BOILER about 11 tons, in excellent condition.

ONE WATER-WHEEL, 30 ft. diameter, 3 ft. breast, iron rings, axie, pumping crank, and powerful DRAWING MACHINE attached, nearly new.

ONE WATER-WHEEL, 30 ft. diameter, 4 ft. breast, iron rings, axie, and ratchet wheels.

ratchet wheels.
ONE WATER-WHEEL, 24 ft. diameter, 3 ft. breast, cast-iron axie and cog

ONE WATER-WHEEL, 24 ft. diameter, 3 ft. breast, cast-fron axie and cog wheels.

ONE WATER-WHEEL, 20 ft. diameter, and 3 ft. breast.
2 large capstans, fron axies.
2 shears, 54 ft. and 60 ft. high.
1 poppet head, 36 ft. high.
2 ditto ditto for 12 heads 2 ditto ditto for 12 heads 3 ft. ditto ditto for 12 heads 3 ditto ditto for 24 heads 3 ftms. ditto main rods, 8 in.
2 ditto ditto for 24 heads 3 ftms. ditto main rods, 5 in.
35 fms. ditto main rods, 5 in.
36 fms. ditto main rods, 5 in.
36 fms. ditto main rods, 5 in.
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32 fms. ditto main rods, 5 in.
33 fms. ditto main rods, 5 in. ONE WATER WHEELS, 20 to the state of the sta

Large quantity of best hammered in strapping plates and side plates. Rod and flange plns. Staples and glands. Shaft rolls.

3 large balance-bobs.
1 large angle bob.
2 travelling bobs.
300 fms. % in. chain.
53 fms. 2½ in. flat-rods.
90 fms. 1½ in. flat-rods.
Ladders.

Matchings, 21 in., 14 in., 11 in., 10 in.

10 in. windbores.
10 in. working barrel, 13 ft.
9 in. working barrel, 12 ft.
8 in. working barrels, 12 ft.
14 in. H piece.
11 in. H piece.
12 in. poles.
10 in. poles.
11 in. poles.

3 new skips.
Pulleys and shieves of different sizes
Large yokes, 3 pin chains.
1 40 in. smiths' bellows.
1 42 in. smiths' bellows. in. pole.

1 42 in. smiths' bellows.

in. pole case.

wiron, steel, 2 grindstones, 1 anvil, 1 vice, several new wood sheds, scales, countity of timber, dressing-floors, kieves, with a quantity of various

Large cistern. tram wagons. Large quantity good bridge rails. horse whin.s. whim kibbles.

New iron, steel, 2 grindstones, 1 anvil, 1 vice, several new wood sheds, scales, weights, quantity of timber, dressing-floors, kieves, with a quantity of various materials too numerous to mention.

These materials are well worth attention, as they are nearly new, and were purchased regardless of expense.

The mine is situated about five miles from Newton station, to which there is a good road.

For viewing the same, apply to Capt. Joseph Baker, on the mine.

Catalogues may be had on application to the Auctioneers, Newton Abbott;
Mr. Betteley, Ashburton; or Mr. William Mathews, engineer, Tamstock, and from whom any further particulars may be obtained.

Refreshments on the table at Twelve o'clock. Sale to commence punctually at One o'clock.—Dated February 6, 1867.

STEAM-BOILERS made by WILLIAM WILSON, LILYBANK BOILER WORKS, GLASGOW, on the most improved principles, for home and export. All boilers made of the best material and workmanship, proved and warranted tight under a high pressure, and delivered at any railway station or shipping port in the kingdom at moderate rates. Lithograph of boilers formed the past free or application.

FINAL SALE at WEST WHEAL JANE MINE. TUESDAY, 12th day of February, 1867, at Eleven o'clock in the fore

M. B. BURGESS, LAND and MACHINERY VALUER, is instructed to SELL. BY PUBLIC AUCTION, at the above mine, all the nudermentioned VALUABLE MINE MACHINERY and MATERIALS, viz. —60 in. cylinder PUMPING ENGINE, 12 ft. stroke, equal beam; ONE BOILER and fittings.

nudermentioned VALUABLE MINE MACHINERY and MATERIALS, viz. 50 in., cylinder PUMPING ENGINE, 12 ft. stroke, equal beam; ONE BOILER and fittings.

22 in. DOUBLE DRAWING ENGINE, 6 ft. stroke, with cage and steam capstan attached, new condensing work, with ONE BOILER and fittings.

20 in. DOUBLE STAMPING ENGINE, 11 ton fly-wheel, 8 ft. stroke, brass air pump, TWO BOILERS and fittings.

2 ie head axles and lifters; 14 ft. modern calciner and wheel, and necessary attachments, in very good condition: wood stack, 50 ft. high; 2 in. plank and guide chains: V-bob for 60 in. engine; 36 in. smiths' bellows, nearly new; 200 to 250 tons coppery mundle; 7 in. pump, 11 in. ditto, 13 in. ditto, 14 in. ditto; large beam, scales, and weight; small ditto, tin sample ditto, tin separator, 7 in. pole, stuffing box and gland, doorpices, 10 in. working, 12 in. windbore, dry tube, 2 skips, lot of chain, faggotted rod-plates, faggotted sword and Joints; flange and rod boits, staples and glands, 5 sets wheels, axies and trawlers for underlay; 2, 3, 4, and 6 ft. shieves; new grate plates for stamps, clack valves, screwstocks, accountables, 23 green and Windsor chairs, forms.—Kitchen: Cooking stove, roasting jacks, boilers, saucepans, 3½ doz. knives and forks, spoons, tin candlesticks, large dining set, tea set, glass and carthenware, in water pitcher, hand and wash trays, steps, cupboards, box of instruments, and sundry other useful articles. The engines are all in good condition, and of modern construction. For any further information, apply to the Auctioneer, Barncoose, Redruth. Refreshments for purchasers as usual, and a conveyance will meet the up train at Scorrier station at 10 A.M., to take the purchasers to and from the sale.

Mr. BURGESS begs an early and punctual attendance.—January 30, 1867.

SOUTH AUSTRALIA.
WHEAL ELLEN MINING AND SMELTING WORKS, comprising a valuable FREEHOLD ESTATE of 700 acres, rich in silver, lead, and copper, and other metals, with strong auriferous deposits.

CHINNOCK, GALSWORTHY, AND CHINNOCK are instructed to SELL, BY AUCTION, at the New Auction Mart, Tokenhouse-yard, in the City of London, on Tuesday, Feb. 19, at Two o'clock precisely, the valuable MINING AND SMELTING WORKS,

MINING AND SMELTING WORKS,

Known as WHEAL ELLEN, comprising a FREEHOLD ESTATE of about 700 acres, well timbered, possessing excellent roads and facilities for transit, being situate in the Mount Barker Electoral District of South Australia, only thirty miles from Adelaide, and fifteen miles from a place of shipment, together with the timber and one-half the minerals of two adjoining sections, containing together 250 acres. A large sum has been expended in the erection of buildings, smelting furnaces, dwellings, dressing-floors, machinery, plant, &c. The property contains a valuable lode, which has been extensively worked, and large quantities of lead, sliver, and other metals disposed of, producing highly renumerative results, the lode, as explored, being of constantly increasing value: also a valuable copper lode, very near the surface, and strong auriferous indications.

Particulars and conditions of sale may be obtained of Messrs. Young, Jones, Roberts, and Hale, Solicitors, 19, 8t. Mildred's-court, City; and of Messrs. Chinnock and Co., Land Agents and Surveyors, 10, Waterloo-place, Pall Mail, London.

STAFFORDSHIRE. TIVIDALE COLLIERY, NEAR DUDLEY.

MESSRS. OATES, PERRENS, AND WOOLDRIDGE have re-ceived instructions from the mortgagees to OFFER FOR SALE, at the Bush Inn, Dudley, on Saturday, the 2d day of Marchnext, at Five o'clock in the afternoon, subject to conditions then to be produced, an UNDIVIDED MOIETY of the above.

of the above—

VALUABLE MINING ESTATE,

Consisting of PARM HOUSE, EIGHT COTTAGES, STEAM ENGINES. ERECTIONS, TRAMWAYS, OFFICES, and 69 A. 0 R. 5 F. of SURFACE LAND; tegether with the VALUABLE MINES of THICK and other MEASURES of COAL, IRONSTONE, FIRE CLAY, &c., now under lease for a term of twenty-eight years, fourteen of which will be unexpired at Lady-day next.

NOTE.—This property is situated at Tividale, midway between Dudley and Oldbury, and close to the Stour Valley Railway and Birmingham Canal.

Further particulars may be obtained, and a copy of the lease seen, on application to Messus, Particular and Woodward, solicitors, 51, Ann-street, Birmingham; and to view the property, or any information as to the mines, application to be made to Mr. Thos. MILLERSHIP, mine agent, West Bromwich; or Messus, Oates, Perrends, and Wooldridge, auctioneers, Stourbridge.

VALUABLE COAL FIELD IN THE WEST OF FIFE TO LET.

VALUABLE COAL FIELD IN THE WEST OF FIFE TO LET.

TO BE EXPOSED TO LET, BY PUBLIC ROUP, within the
Town-house of Dunfermline, on Tuesday, the 12th day of February next,
at Twelve o'clock noon, on a lease for 21 years, from and after Whitsunday next,
or such longer period as may be agreed upon, the WHOLE SEAMS of COAL,
SHALE, IRONSTONE, and FIRECLAY, in and under a portion of the lands
belonging to the Burgh of Dunfermline, extending to 136 imperial acres, or
thereby, and lying about two miles north-east of the burgh.

Most of the coal seams, which have rendered the collectes of Wellwood, Townhill, and Halbeath so famous, are known to be in these lands. There is every
facility for conveying the minerals now to be let, by railway or otherwise, in
all directions.

Further information may be had, and the conditions of let seen, on applica-tion to DAVID LANDALE, Esq., Mining Engineer, Edinburgh; or to JOHN LAN-DALE, Esq., Town Clerk of Dunfermline.—Dunfermline, Jan. 15, 1867.

LEAD MINE.—FOR SALE, BY PRIVATE CONTRACT, the LEASE, PLANT, and MACHINERY of the TEES SIDE MINE, near ALSTON, CUMBERLAND. The sett is very extensive, and is traversed by several powerful velns; from one of them 1000 tons of lead ore has been raised from a shaft 20 fathoms in extent, at 1-7th dues. The dues are now 1-20th. Lodgings for miners, workshops, stabling, &c., are all in order for immediate operations.

The agent on the mine will show the property, and for other particulars apply to Mr. J. H. Robinson, 21, Cumberland-row, Newcastle-on-Tyne; to Messra, HOYLE, SHIPLEY, and HOYLE, Solicitors, Newcastle-on-Tyne; or Messras. HILL and HOYLE, Solicitors, 123, Cannon-street, London.

FOR SALE, BY TENDER, BILLIA CONSOLS AND REETH CONSOLIDATED MINES SETTS and MATERIALS, situated in the parishes of Towednack and Uny Lelant, in the county of Cornwall, consisting of—ONE 36 in. PUMPING ENGINE, with 10 ton BOILER, nearly new. ONE 22 in. WINDING ENGINE, with 8 ton BOILER, nearly new. ONE 27 in. STAMPING ENGINE, with 8 ton BOILER, lifting 36 heads. About 390 fms. pitwork, 11 to 5 in., and all the necessary materials for working the mine.

In g the mine.

The lodes are parallel to and adjoining Wheal Reeth, and afford a rare opportunity to capitalists.

portunity to capitalists.

Scaled tenders, marked "Tenders for Reeth Consols Mine," should be addressed to Mr. James B. Coulson, Penzance, on or before Saturday, the 16th February next, soon after which the purchaser will have notice thereof.

For particulars, apply to Capt. R. Blight, at the mine.

Not bound to accept the lowest or any other tender.

Dated Penzance, January 9, 1867.

FOR SALE, and may be seen at the Ashburton Mines, ONE
56 in. PUMPING ENGINE, with TWO 11 ton CORNISH made BOILERS.
ONE 40 in. PUMPING ENGINE, only made a short time, and as good as new,
with an 11 ton BOILER. A 24 in. WHIM ENGINE, with samps attached. ONE
11 ton BOILER. Several WATER-WHEELS of various sizes, one with a very
excellent drawing machine attached. Pumps and materials of all sorts and
sizes.—Application may be made to Mr. W. MATHEWS, engineer, Tavistock, or
can be seen on application to people in charge of the mine.

TO CAPITALISTS, PUBLIC COMPANIES, AND OTHERS.—
Particulars of a VALUABLE and EXTENSIVE SLATE AND COPPER
PROPERTY FOR IMMEDIATE DISPOSAL BY PRIVATE CONTRACT,
situate in NORTH WALES, within about four miles of shipping port, to which
place a railway, running for nearly two miles parallel to and within a few
hundred yards of the estate, will enable the produce to be conveyed at an almost,
nominal cost. There are upon the property four or five very EXTENSIVE
SLATE VEINS and a VALUABLE COPPER MINE.
Three quarries have been opened, and the works in either case brought nearly
to completion, several cargoes of excellent slates having been sold, as also a
large quantity of very rich copper ore. There are about 800 yards of levels,
100 yards of shafts, about one mile of iron rails laid down, foreman's house,
magazine, &c.

large quantity of very ricu topper and proper and prope

Application in first inst Leadenhall-street, London

WILLIAMS'S PERRAN FOUNDRY COMPANY,
MANUFACTURERS of STEAM PUMPING and EVERY OTHER KIND of
ENGINES, together with BOLLERS, PUMP CASTINGS, and MINING TOOLS
of every description, of the very best quality. Estimates given for the supply of
any amount of machinery.

y amount of machinery.

London Agent.—Mr. EDWARD COOKE, 76, Old Broad-street, London, E.C.

NOTICE.—CAPT. S. M. RIDGE, of LLANIDLOES,
MONTGOMERYSHIRE (late manager of the Brynpastig and Cwm Fron
Mines, and others, in Shropshire and Wales), is NOW OPEN to INSPECT and
faithfully REPORT UPON ANY LEAD MINE in either of these localities that
may be confided to his care, having had better than 30 years' experience in lead
mining, as miner and agent.—Address, Capt. S. M. RIDGE, Llanidloes, Montgomeryshire.

INEXPLOSIVE BLASTING POWDER (Invented by G. A. NEUMEYER) CANNOT EXPLODE WHEN EXPOSED TO AIR!

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This powder combines STRENGTH with SAPETY to a degree never before known. It is more economical than ordinary blasting-powder:

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It is lighter than the blasting-powder now in use.

2.—It is injured that the control of STREET, CITY, LONDON.

Gun-Cotton-By Royal Letters Patent.



PRENTICE'S BLASTING GUN-COTTON PRODUCES NO SMOKE, and having been further REDUCED in PRICE is now by far the CHEAPEST as well as the SAFEST material which can be used in any description of mining or quarrying work.

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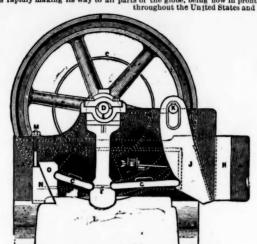
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ТНЕ $N \in W$ PATENT DONKEY STEAM PUMP



[SPECIFICATION.]

This Pump is constructed on an entirely novel and simple principle, there being only a crank-shaft and fly-wheel of small size, the slide-valve being worked inside the steam chest by means of a steel crank and friction roller, thus dispensing with eccentric, rod, and straps. All the working parts are made of steel, hardened and polished. The cylinder and pump are in one casting, and borred throughout the body of the pump as well as the stuffing-box. The pump-ram is of the best gun-metal, being cast in one piece with the piston and piston-rod, and fitted accurately to the bord body of the pump, thus ensuring a nearly perfect vacuum in pumping. The stuffing-box glands are also of gun-metal polished. The valves and boxes are of the best gun-metal, the valves being of the spherical description, the covers fitted with brass cages, and the joints faced metal to metal. The slide-valve is of hard bell-metal. The steam-chest, with cylinder end, is in one piece, and may be removed without disturbing either steam in fifteen minutes, without disturbing any pipes whatever.

Ram. Stroke. Approx. b. Approx. gal.

Price of Giffard's Injector.

[SPECIFICATION.]

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Ram. Stroke, Approx. h.p. Approx. gal.

Size. in. in. boiler supplied. thrown p. hour. Price.

1 1 1 2 2 3 15 230 £10 10 £15 £10 10

6 1 1 5 3 2 2 350 £10 10 £15 £10 10

6 1 1 5 4 30 500 14 14 23 16 10

7 2 2 4 4 4 9 700 17 0 27 19 10

8 2 2 4 5 5 5 990 19 10 32 22 10

8 2 2 4 5 5 5 10 6 2 10 32 22 10

9 2 2 4 5 5 5 11 50 22 10 36 22 10

10 2 2 6 6 3 90 1420 25 10 40 28 10

11 2 2 3 6 6 3 10

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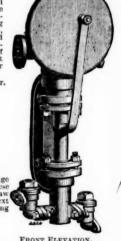
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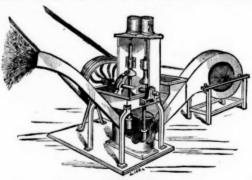
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Thomas Paid Last De Queines	Motel Sine Post
	s. Total divs. Per share. Last paid.
200 Botallack, t, c, St. Just 91 5 0 —	8 12 8 0 5 0 Jan. 1867
19000 British Slate Company 9 0 0	488 15 0 5 0 0 May, 1866 9 per cent Sept. 1866
4000 Brookwood, l 1 11 0	9 per cent Sept. 1866
1000 Bronfloyd, l, Cardigan* 12 0 0	0 5 0 0 2 6 Sept. 1866 8 7 0 0 6 0 Aug. 1866
6400 Cashwell, l, Cumberland* 2 10 0 11/2	
916 Cargoll, s-l, Newlyn 15 5 7	0 1 6 0 1 6 Aug. 1866 13 15 0 1 0 0 Feb. 1866
867 Cwm Erfin, 1, Cardiganshire* 7 10 0	01 10 0 2 0 0 7
128 Cwmystwith, I, Cardiganshire 60 0 0	979 10 0 7 0 0 7
280 Derwent Mines, s-l, Durham 300 0 0	167 0 0 5 0 0. Dec. 1866
1024 Devon Gt. Consols, c, Tavistockt 1 0 0 425 415 425	1048 0 0 6 0 0Jan. 1867
358 Dolcoath, c, t, Camborne 128 17 6	818 10 0 2 0 0 Dec. 1866
6144 East Caradon, c, St. Cleert 2 14 6 6 51/2 6	14 7 6 0 2 0Jan. 1867
300 East Darren, I, Cardiganshire 32 0 0	136 10 0 2 0 0. Nov. 1866
128 East Pool, t, c, Pool, Illogan 24 5 0	390 0 0 2 10 0 Jan. 1867
5000 East Rosewarne, c, t, Gwinear 2 15 0 114	0 10 6 0 1 6 Jan. 1866
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2800 Foxdale, l, Isle of Man* 25 0 0	69 10 0 0 10 0Jan. 1867
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1024 Herodsfoot, l, near Liskeard 8 10 0 —	39 0 0 1 10 0. Oct. 1866
6000 Hingston Down, c † 5 10 6	0 10 0 0 5 0 April, 1866
400 Lisburne, I, Cardiganshire, Wales 18 15 0	483 10 0 3 0 0 Nov. 1866
9000 Marke Valley, c, Caradon 4 10 6 414 414 41/2	3 11 0 0 2 0Jan. 1867
3000 Minera Boundary, l, Wrexham* 1 0 0	0 13 0 0 3 0 Mar. 1866
1800 Minera Mining Co. l, Wrexham*. 25 0 0	205 8 0 3 0 0 Nov. 1866
20000 Mining Co. of Ireland, c, l, cl 7 0 0. 1834	0 7 9. July, 1866
40000 Mwyndy Iron Ore*† 3 5 0	0 6 6 0 2 6. Mar. 1866
- New Merrybent and Middleton* 3 10 0	5 per cent Nov. 1866
600 Pant-y-Glien, sl.* 20 0 0	10 per cent May, 1866
200 Parys Mines, c, Anglesey* 50 0 0	157 10 0 5 0 0 Jan. 1866
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BRITISH MINES WITH DIVIDENDS IN ABEYANCE.

1200 Bryn Gwyn, I, Mold* 2880 Clifford Amalgamated, c, Gwen. 1055 Craddock Moor, c, St. Cleer. 6000 East Carn Brea, c, Redruth 6000 New Birch Tor and Vitifer Cons. t 6000 West Basset, c, Illogant, 1024 Wheal Exmouth, I, Christow	32 0 0 11 12 0 3 15 0 1 6 6 1 10 0	8 61/4 63/4 31/4 31/4 31/4 1	::	35 6 7 12 0 5 0 13 26 14	0	0 0 0 0	13 6Aug. 18 10 0June, 18 4 0June, 18 5 0June, 18 2 0Oct. 18 5 0July, 18 2 6Oct. 18	865 865 865 865 865
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FOREIGN DIVIDEND MINES.

15000 Cape Copper Mining*t		0 0		81/2 9		2 12 6 0 10 0April,1866	ı
21500 East Indian Coal, Calcutta 25000 Fortuna, I. Spain*†	10	0 0		134 214		1 5 4.: 0 2 0. Oct. 1866	
20000 Gen. Mining Assoc., Nova Scotiat	20	0 0			**	22 9 0 1 0 0June, 1866	1
10000 Gonnesa, l.* [5000 £5 pd., 5000 £4 p	d.]					71/2 per cent. per annum.	
15000 Linares, t, Spain*†	3	0 0	**			11 6 4 0 5 0 Jan. 1865	
50000 Panulcillo, cat		0 0		234 314		10 per cent Yearly.	١,
10000 Pontgibaud, s-l. Francet	20	0 0	8			4 3 2 1 3 6 Dec. 1866	1
100000 Port Phillip, g, Clunest		0.0.		34 1		0 16 6 0 1 0Jan. 1867	
120000 Scottish Australian Mining Co.t.		0 0		38 138		712 per cent Dec. 1866	
11000 St. John del Rey, Brazil*† 50000 Victoria (London) [25000 £1 pd., 25		120 64		52 54		72 15 0 4 0 0Dec. 1866	
40000 West Canada Mining Company*	1	0 0	- Davi			0 9 0 0 1 0Jan. 1866 0 19 6 0 2 6May, 1865	4

FOREIGN MINES WITH DIVIDENDS IN ABEYANCE.

	Alten and Quænangen United.c*				-			 4	5	0	0	15	0Nov. 1853
	Australian, c, South Australiat		7	6	-			 0	2	0	0	1	0June, 1865
2464	Burra Burra, c. South Australia.	5	- 0	0	-			325	0	0	5	0	0Dec. 1864
12000	Cobre Copper Company, c. Cubat.	40	10	0	-			 101	0	0	1	0	0. Jan. 1865
10000	Copiapo Mining Company, Chilit	16	10	0	-			 6	18	0	0	10	0Nov. 1862
100000	Don Pedro No. del Rey, Brazil**	0	14	0	1.5	 1 1	136	 0	0	9	0	0	9. Dec. 1863
	English and Australian, c	2	10	0	1	 34	714	 1	12	0	2	0	0Aug. 1864
		- 1	0	0	Teleprone	 							0June, 1864
		3	0	0	-			 1	7	0.,	0	3	0June, 1865
		28	5	0	2	 234	216						0 Sept. 1864
10000	Vancouver, cl*†	6	()	0	-	 							0Nov. 1864
45000	Yudanamutana, c, S. A. *	3	0	0	13	 11/8	13%						0Aug. 1863
68000 7927 43174 10000	Kapunda Mining Co., Australia† Lusitanian (Portugal)† United Mexican, s.Mexico Vancouver, el*†	28 6	10 0 5 0	0 0 0 0	1 - 2	 % 2¼	78 21/4	 1 0 1 2 0	12 12 7 19 15	0	20000	0 1 3 5 5	0Aug, 1864 0June, 1864 0June, 1864 0Sept. 1864 0Nov. 1864

NON-DIVIDEND FOREIGN MINES.

Shares. Mines.	Paid. Last Pr. Bus. done. Last Call.
35000 Alamillos, l. Spain*†	
100000 Anglo-Brazilian, g*+	. 0 10 0 58 16 1 Nov. 1866
40000 Brittany Silver-Lead Mines, France* [15750 18s. pd	
25000 Capula. s. Mexico*f	. 1 12 0 Aug. 1866
30000 Chontales, g. s. Nicaragua*†	. 3 00 234 214 21/4 Oct. 1866
10000 Coplapo Smelting, Chili*	. 10 0 0 April. 1866
300 Copper Miners' Co. of South Australia * [150 £100 pe	1., 150 £70 pd.] Nov. 1866
25000 East del Rey. g. Brazil*†	. 2 15 0 June, 1866
15000 El Chico Silver Mining and Reduction Company* .	4 10 0Jan. 1866
8000 English and Canadian Mining Company*	
50000 Frontino and Bolivia, q. New Granada*+	1 12 6 6s 14 Dec. 1866
80000 Great Northern, c. South Australia * f	
10000 Great Barrier Land, Mining, &c., New Zealand*	5 0 0 Fully pd.
83090 Mariquita and New Granadat	0 12 6 Jan. 1867
12500 Nerbudda Coal and Iron *+ f6000 £5 pd., 6500 £4 pd.	
50000 Nova Scotla Land and dold*	
15000 Otea, c. New Zealand* [5000 fully paid]	1 10 0
6000 Peel River Land and Mineral**	
30000 Pestarena, g*†	2 0 0 2 15% 17% Aug. 1866
17000 Quebrada, c. Venezuela**	10 0 0 Fully pd.
10178 Rhenish Consolidated, I [6000 £5 pd., 4178 £2 10s. pd.	
50000 Rossa Grande, g. Brazil*	0 7 6April.1864
15000 San Pedro del Mente, s, Mexico*	4 0 0 Sept. 1866
10000 San Roque, I. Spain	5 0 0 Fully pd.
1000 Schlossberg Colliery*	. 10 00
30000 Val Antigoria, g*t	0 17 6 July, 1866
6000 Val Sassam. s. c. l*t	6 10 0 Jan. 1867
5000 Valgodemard Mining Company*	20 0 0 Fully pd.
50000 Vallanzasca, g. Italy*+	0 15 0 July 1866
45000 Victor Emanuel, c. Italy*	1 0 0 Fully pd.
20000 Washoe, g	5 0 0 3/ 14 56 Fully pd. [
80000 Worthing, c, South Australia*	1 00 14. 38 58 Fully pd.
75000 Yorke Peninsula, South Australia	1 0 0 Fully pd.

BANKS AND FINANCIAL COMPANIES.

Shares. Banks.	Paid		Pr. Bus.		
40000 Alliance*†	25 0 (19	161/2		
	5 0 0) 5		51/2 .	
20000 Australasia†	40 0 0	63	66		
10000 Bank of Egypt	25 0 6				
50000 Bank of New Zealandt	10 0 0	18			
25000 Bank of Otago*+	10 0 0	6			
20000 Bank of Victoria, Australia†	25 0	0 39			
8915 Canada Company?	32 10 6		69	72 .	
50 :00 Canadian Loan and Investment*	2 10 () 1	1/2		
4 sooo Chart. Bank India, Aust. & Chinat	20 0 0	1 16	181/4	191/2 .	
30000 Char. Merc. India, Lond. & Chinat		35	34		
50000 City†		16	131/2	14/2 .	
20000 Cofonial*	25 0 6	36	39		
40000 Company of African Merchants. *	3 0 6	3	3	31/2 .	
150000 Consolidated Bank*† 200000 Credit Foncier and Mobilier of England*†	4 0 0) 5		5 .	
200000 Credit Foncier and Mobilier of England	8 0 0	3	3%		
20000 East London*†	5 0 6	4	21/2	31/2 .	
30000 English, Scottish, & Aust., Chart. +	20 0 (% 18	19 .	
20000 English and Swedish**	25 0 (2 121/2	131/2 .	
250000 General Credit and Finance of London*	6 0 (1 4	4		
20000 Imperial Bank**	20 0 0	24	** 23		
150000 International Financial Society*†	5 0 0	3	% 1%	21/8 .	
300000 International Land Credit*†	6 0 (1 2	4 3	4 .	
4000 London African Trading*†	10 0 6	5			
50000 London Chartd. Bank of Australiat	20 0 (22	4 221/2		
37500 London and County +	20 0 0	65	67	68 .	
40000 London Financial Association *	25 0 0	9		8 .	
72000 London Joint-Stockt	15 0 () 42		431/2 .	
10000 London and South-Western*†	20 0 0	18	18	19 .	
50000 London and Westminster	20 0 0	94	94	96 .	
50000 Mercantile and Exchange*†	12 10				
17156 Metropolitan and Provincial*†	20 0 0	10	1/2 71/2	81/2 .	
20000 Mineral Rights Association*	1 6				
20000 National of Australia +	4 0 1	6	A	6 .	
20000 National of Liverpool*†	15 6 6				
40000 Nationalt	20 0 /	70	66	6ā .	
50000 New South Walest	20 0 0	46		46 .	
40e00 Union of Australiat	95 0 (. 50	46		
80000 Union of Londont	15 0 0	45	441/4	401/2 .	

PRO	GRE	TIPR	7 17	MINE	3

	THOURESSIVE MINES.		12800
_	## Stares. Mines. Paid. Last Pr. Bus. of Man, l, c* 1 10 0 3000 Bedford Unit., c, Tavistk.* 2 6 8 3200 Bedford Last Pr. Holywell.	lone. Last Ca	11. 6000 66 12000
	4000 Ballacorkish, I.of Man, I, c** 1 10 0	Oet. 18	6000
	3200 Bedol Aur, l, Holywell 1 7 0	. MOV. 18	00 0000
ric	500 Billins, t, Film. 30 0 0. — 1 1000 Blaendyffryn, s-l* 2 0 0. —	Fully p	d. 1024 86 2000
86	1248 Boscaswell, t, c, St. Just 7 6 0 —	Dec. 18	
86	56 5000 Bottle Hill, t, Plympton 1 14 6 —	June, 186	66 5915 86 3848
86	500 Bryn Gwlog, l, Flint 9 0 0 16 15 10	Jan. 186	84 20500
86	30000 Caldbeck Fells, l, Cumber. 1 10 0 —	. Dec. 186	66 400 6
86	1000 Camborne Consols, c 18 10 0 — 4600 Camborne Vn. & Wh. Fran. 11 8 10 . 1 34 1	Feb. 186	12000 8
86	4600 Camborne Vn. & Wh. Fran. 11 8 10 . 1 . 34 . 17 11000 Cape Cornwall , t, c * [8000 £2 10s. pd., 3000 10s. pd.] 12000 Caradon & Phenix* [2500 20s. pd., 3500 12s. pd.] 12000 Caradon &	.Oct. 186	6 512 8
86	914 Caradon & Phœnix* [2500 20s. pd., 9500 12s. pd.]	April,186	55 1024 6000 8
86 86	1000 Carn Brea, c, t, Illogan 25 0 0 17 161412	16. Nov. 186	3000 8
86	6000 Carn Camborne, c, Cambn. 2 1 0 114228. 2	18Jan. 186	7 2500 8
86	4005 Cardigan Cone * 51000 65 pd 2005 64 56 pd 1	Fully pd	6138 8
$\frac{86}{86}$	600 Cardiganshire, l* 17 10 0 —	Sept. 186	6 6000 8
86	6 20000 Carysfort [3200 £2½ pd., 16800 £1% pd.]	Mar. 186	5000 S
86 86	2500 Cefn Cilcen, l, Flint* 2 18 0	Ang. 186	6 1024 8
86	6 2500 Central Minera, la 3 12 6	Nov. 186	6 4000 8
36	6 2000 Central Snallbeach t 1 0 0 138 13	a Fully po	96 8 6 30210 8
36 36	8 3000 Chiverton Moor, l, Perranz, 5 18 6 64 6 614	Nov. 186	6 937 8
36	6 16000 Coolartra & Bond*[5800 £1 pd., 10700 16s. pd.]	Feb. 186	5 496 S 6000 S
86	- 1 9000 Connorres c eul Wicklows 1 0 0	Marlly well	1 4152 8
360	6 2450 Cook's Kitchen, c, Illogan. 19 14 9 11½11½12 6 1024 Copper Hill, c, Redruth 12 10 0	16 July, 186	6 400 8
860	6 1024 Copper Hill, c, Redruth 12 10 0 —	June, 186	6 512 S 3000 S
666	g 6000 Cornwall Great Consols 1 8 0 —	Fully pd May, 186	6 61 8
66		Dec. 186	6 200 8
166		July, 186	040 8
66	35000 Dale, l, North Stafford 1 0 0 3s 2s. 3s	Fully pd	673 S
67	Larren, t, Cardigan 12 4 U.s -	Oct. 186	6 9000 8
66		May, 1866	ann a
60	1 1024 Devon Wheal Lones c* 17 0 0 -	July, 1866	6 3500 T
66	656 Ding Dong & Culvel 40 14 6	sDec. 1866	6 0000 T
66		Dec. 1866	501 T
66	1 20000 Dundalk, Ireland, /* 0 12 6	April, 186	6 4440 T
66	1 3000 Dyfngwm, l, Wales 13 7 0	June, 1866	6 4096 T
66	1 312 East Basset, c, Redrutht 29 10 0 23 20 21	July, 1860	2000 T
66	1 1000 East Basset and Grylls, t., 3 5 9., -	July, 1864	6400 T 4200 V
66	1 4096 East Decokarond Holne a co	Oct. 1862 July, 1866	1 00000 33
	2000 East Buller, c, Gwennap 2 0 0	Mar. 186	1024 W
	1 4000 East Chiverton, I. Perranz. 2 9 3 216176 214	Dec. 1866	40000 W
85	2048 E. Falmouth, s-l, Kenwyn. 5 0 6 — 6000 E. Grenville, c, Camborne. 3 3 6 214 2 214	April,1864	
65	4000 E. Gunnislake & S. Bed. c. 9 0 6 214 234	Aug. 1866	256 W 5000 W
65 65		Oct. 1866 April,1865	acon II
65	6145 East Jane, s-l, Cardinham. 2 17 6	Dec. 1865	12000 W
35	1000 East Moor, s 0 5 0	Aug. 1866	
35	3986 E. Providence, t, Uny Lel. 4 19 9	Nov. 1866 May, 1865	1000 W
	1 0000 East Snaefell, I. I. of Man* 2 0 0	Dec. 1864	0000 1
	5610 East Seton, c, Camborne 0 11 0 —	Oct. 1865 Nov. 1866	1000 331
6		A roull 1666	512 W
	190 E. Wh. Agar, c, St. Cleer. 12 17 0, — 4000 E. Wh. Russell, Tavistock† 11 16 6 3½ . 3½ 3¾ 15000 Ellen Unit., c, z, St. Agaes* 1 0 0, — 6000 Foreseue Consols, c 0 12 6. —	Jan. 1865	512 W 5000 W
6	15000 Ellen Unit., c.z. St. Agnes 1 0 0.	Jan. 1867	10000 W
6			
5	940 Fowey Con. c, Tywardreath 5 1 6	June, 1866	8000 W
6	10000 Furze HillWoodCon.Buckl. 1 16 0 —	Feb. 1866 Mar. 1865	6000 W
7	1026 Garden, t. Morvah 5 12 9	Mar. 1865	1000 W
6	4096 Garlidna Unit., t, Wendron 5 7 7— 4000 Gawton, c, Tavistock 3 5 6 334 3 316	Feb. 1866	512 W
6	6000 Gen. Min. Co. for Ireland, c 4 0 0. 241		1000 1
5		Sept. 1866	6000 W 6144 W
	6144 Gonamena, c, St. Cleer 5 16 6 —	Dec. 1866 Fully pd. Nov. 1866	4096 W
	486 Grambler and St. Aubynt. 70 0 0 6 5 6	Nov. 1866	849 W 4000 W
3	4026 Great Caradon, c. St. Ives. 3 II U.	Nov. 1866 Nov. 1866	6000 W
5	5000 Great Mona, l. Isle of Man* 3 10 0	June, 1866	
1	5000 Great North Downs, c 5 18 0 414334 414	Oct. 1866	6000 W 1024 W
5	4800 Great Retallack o. / h 1 19 0 914 A74 494	Jan. 1867	512 W
1	6000 Great South Chiverton, s-l. 1 12 6 34	Jan. 1867	896 W 728 W
!		Allig. Inch	100 W
1	3000 Great West Chiverton, l 1 0 0 —	June, 1864 June, 1863	6000 W
H	1798 Gt. Wh. Fortune, t. Breage 27 2 6 5 4 5	Dec. 1866	1000 W 6000 W
	119 Great Work, t, Germoe100 0 0 — 2500 Grit and Stapeley, t* 10 0 0 —	July 1864	80 W
1	2500 Grit and Stapeley, t	July, 1864 Aug. 1866 Nov. 1866	1024 W 1024 W
1	6068 Gwydyr Pk. Con., Llanrwst 1 13 0	Nov. 1866	1500 W
1	6000 Hallenbeagle, c, Kenwyn 2 13 0 3 6400 Harwood, L, Durham* 0 6 0 %8 1/4 %8	Nov. 1866 Sept. 1864	6000 W
1	6400 Harwood, l, Durham* 0 6 0 % 1/4 1/8 5000 Havan, l, Cardigan* 4 15 0 —	Sept. 1864 Mar. 1866	1920 W 2044 W
1	6000 Illogan, t, c 0 19 6 — 6000 Lady Bertha, c, Taylstock, 4 1 0 —	June, 1866	1200 W1
1	3000 Leawood, c, l, Lydford 3 3 6	June, 1866	4096 WI 4450 WI
1	1019 Leeds and St. Aubyn, t, c 19 13 4	Mar. 1866 Mar. 1863	6000 WI
1	963 Lelant Cons. t, Uny Lelant 35 0 0 — 160 Levant, c. t, St. Just 10 8 1 —	Mar. 1863 June, 1866	
1	6000 Levant United, St. Just 0 10 0		
1	1024 Lovell Consols, t 314 3 314	.Jan. 1864	
1		.Jan. 1864	
1	6000 Maudiin, c, Lostwithiel 4 7 0	May, 1865	60000 At
l	5000 Merllyn, l, Flint 3 15 6	Jan. 1866	20000 At
1	4975 Molland, c, South Moulton 3 13 0	.Sept. 1863 .Aug. 1865	600000 At 20000 At
1	640 Mount Pleasant, I, Mold 4 0 0		25000 Bc
1	1024 Nangiles, t, c, Kea 26 5 0	.Oct. 1866	6000 Br 534780 Br
1	4000 Nanteos, l, Cardigan* 1 0 0 — 512 Nant Minera, l* 6 10 0 —	.Fully pd.	50000 Br
1	512 Nant Minera, t*	Jan. 1865 Aug. 1866 Mar. 1866	25000 Ce
1.	6000 New Clifford, c. Gwenrap* 2 0 0 —	Mar. 1866	27000 Ch
1		Nov. 1866	30000 Cit 20000 Cit
1	6400 N. Crow Hill, l, St. Stephen 3 2 0 — 6514 New E. Russell, c, Tavistk. 0 10 6 — 6400 Nether Hearth, l, Dufton 1 1 9 —	Nov. 1866 Sept. 1866 May, 1865 Mar. 1866	35000 CH
	6400 Nether Hearth, l, Dufton 1 1 0 400 New Hendra, t, c, Breage 14 11 0	May, 1865	20000 Cit 50000 Co
		" AOA" [5000]	42000 Co
1	6000 New Tamar, s-1 0 7 6	Dec. 1866 May, 1866	10000 Cr
1	5755 New Treleigh, c, Redruth 4 8 0 — 960 New Trevenen, t, Wendron 8 14 0 —	May 1866	1002925Cr, 160820
	4096 New Wheal Lovell t 1 11 0	.May, 1866 .Jan. 1867	277000
		.Dec. 1866	7500 Da
1	2000 New Wheal Towan, c, t 1 10 0	July, 1866 July, 1866	20000 E. 50000 E.
1	6900 North Devon, s-l* 0 16 0	.Oct. 1866	80000 Eb
	Many worth Downs a Bodenth 4 9 10	Jan 1967	112813 For

	Shares. Mines.	1	Pai	d. L	ast	Pr.	Bu	8. d	one. Las	t Call
	19800 Prince of Wales t Calstock	- 0	11	6.	. 37	8	. 3	314	Nov	. 1866
ı.	6000 Prosper Un., t, c, St. Hilary	8	3 14	Ł O.	. 8	34		-	July	, 1866
6	12000 Redmoor, c, t, Callington	1	1	6.					. Feb.	1866
		4		0.					Feb.	186
6	5000 Rhafna, l, Carnarvon* 1024 Rose and Chiverton Untd.	0	11	0.				10	Dec.	
	1024 Rose and Chiverton Untd.	5	0	0.	. 6		9%	6 6	Nov	. 1866
6	2000 Rosecliff and Tolcarne*	5	0	6.		3/ "			Feb.	1000
6	3978 Rosewarne Consols, c 5915 Rosewall Hill and Ransom	3	0	0.	. 1	12.	114	13/	Aug	1866
6	3848 Rosewarne United, c, t	4	0	4.		78	179	179	July	. 1866 , 1866
6	3848 Rosewarne United, c, t 20500 Snaefell, l, Isle of Man*	i	0	0.					Full	y pd.
8	400 Silver Brook, s-l, Carmar,*	10	0	0.					July	, 1866
1	400 Silver Brook, s-l, Carmar.* 4096 Sithney Wheal Metal, t	4	5	6.			16	34	Oct.	1866
	12000 Sortridge Cons., c, Tavist.	1	. 14	6.				-	Oct.	1866
i	512 South Basset, c. Gwennap,	24	0	8.					Feb.	1867
5	1024 Bouth Callington, s-1	5	17	6	. 2	1/2	2 5	21/4	Jan.	1867
3	6000 South Carn Brea, c, Illogan	8	10	6.					Jan.	1860
3	3000 So. Univerton, s, t, Perran.	5	15	0.					June	,1860
7	2500 South Cornwall, to	13	0	0.					July	
- 1	6138 So. Condurrow, t, c, Camb. 2283 South Crenver, c, Crowan	3	13	6.	. 1	••			Jan.	1867
3	2283 South Crenver, c, Crowan	12	9	0.					Oct.	1865
3	6000 S. Dolcoath&Carnarth.Con.	2 2	16	6.		••			Aug.	
5	5000 So. Exmouth, l, Christow 5000 So. Foxdale, l, I. of Man*	3	17	0.					Feb.	1866
	5000 So. Foxdale, I, I. of Man* 1024 So. Herodsfoot, I. Liskeard	9		0.		••	0	8	Mar.	1865
1	1024 So. Herodsfoot, l. Liskeard 4000 South Minera, l, Wrexham* 96 South Pant-y-Gof, l	5	10	0.		••	0	0	Apri	,1866
Н	96 South Pant-y-Gof. I	27	0	0					Dec.	18/ 5
1	30210 South of Scotland*	0	17	6	_	••			May,	1864
1		94	10	10	15	••	12	14	Sept.	
1	937 So. Wh. Crofty, c, Illogan. : 496 So. Wh. Frances, c, Illog.† 6000 South Wheal Grenville, t, c 4152 South Wheal Leisure, t, c	18		9		• •	16		P 0D.	1865
١	6000 South Wheal Grenville, t, c	0	16	6	98.				sDec.	1866
1	4152 South Wheal Leisure, t, c	1	10	0	-		0.00		Feb.	1866
1	400 So. Wh. Seton, c, Camborne 512 South Tolgus, c, Redruth 3000 South Trevenna, t, c*	74	13	0.,	matter				Oct.	1866
1	512 South Tolgus, c, Redruth	9	10	0.,	-				Aug.	1866
1	3000 South Trevenna, t, c*	2	0	0	_				Dec.	1865
1	61 Spearne Consols, t, St. Just 1	10	0	0	freeze				Oct.	1866
1	280 Spearne Moor, t, St. Just	6	2	0	-				Dec.	1866
1	4000 St. Day Unit., t. Redruth., 1	16	18	6	-				Jan.	1867
1	940 St. Ives Consols, t, St. Ives. 1	10	15	0	10		8	10	Nov.	1866
ı	673 St. Ives Wheat Allen, t 1	18	10	1	-				Nov.	1866
ı	940 St. Ives Consols, t, St. Ives. 1 673 St. Ives Wheal Allen, t 1 9000 St. Just Cons. t [6000 £1 pd., 7000 Stiperstones, t, Salop*	30	900	108	. pd	.]			Sept.	1866
ı	7000 Stiperstones, I, Salop*	4	10	0	-				Nov.	1866
ı	920 Stray Park, c, t, Camporner	21.	10		_				Jan.	1867
1	3500 Tin Hill, t, St. Austell	1	8	0	-				Jan.	1866
ı	6000 Tolcarne, c, Camborne	3	1	6	recens				July,	
1	548 Trelyon Consols, t, St. Ives. 1	16	10	0	_				Dec.	1866
ı	501 Tresavean and Trethurrup 1 4440 Trevenen & Tremenheere	7	11	0	-	••			Nov.	1865
ł	4096 Treweatha, s-l, Menheniot.	ż	7	0	-				June.	1886
1		0		4	_				Sept.	1866
ı	2000 Trumpet Cons., t, Helston. 1		10	0	9		0	10	Beht.	1000
ı	6400 Tyne Head, t, c*	0	18	0	-		U	10	Jan.	1807
ı		5	0	0	_				Fully	nd
1		ī	0	0	-				Fully	pd.
Г	1024 West Caradon, ct 1	5	0	0	121/	6	11	12	Oct.	1866
1.	40000 West Clogau, g, Merioneth.	1	0	0					Fully	pd.
ľ	1000 West Cwm Erfin 1*	5	0	0	-				July,	1866
1	2850 W. Condurrow, t, c, Cam 1	2	11	3	-				Aug.	1866
ı	256 West Damsel, c. Gwennap, 3		10	0	-					
l	5000 West Godolphin, t	3	0	0	-					
ı	5000 West Godolphin, t 2592 West Great Work, t* 12000 W.Maria & Fortescue, Lam.	5	11	0	witering				June,	1866
П	12000 W.Maria & Fortescue, Lam.	3	8	0	-				Oet.	1866
1	1000 West Nanty, l* 1	0	0	0	-				Jan.	1866
ı	6000 Westminster, t*	5	0	0	51	1	5 5	54	Fully	pd.
ı	1000 West Rose Down, c, Linkin. 1	7	0	0	-				Jan.	1867
l	6000 West St. Ives, t, c	0	5	0			1/2	/8	**	
	256 W. Sharp Tor, c, Rillaton 19	0	U	U	should				Dec.	1866
1	1056 West Stray Park, c, Camb. 1		2	6	4342				June,	
1	512 West Tolgus, c, Redruth 5	4	10	0.0	26		20 2		Oct.	1866
1	512 W. Wh. Frances, t, Illogan10 5000 W. Wh. Kitty, t, St. Agnes.	9	15	6	17		16		Aug.	
١,	5000 W. Wh. Kitty, t, St. Agnes. : 10000 W. Wh. Martha, c, s, Stoke. • 1360 W. Wh. Prosper, t, Lanivet	ĩ	5	6		• •			July,	186 6 186 4
١,	1360 W. Wh. Prosper, t, Lanivet		18	0					.Oct.	1863
1	8000 Wharfedale Mining Co. *	0	5	0	_				*******	1000
1	6000 Wheal Agar, c. Illogan		0	8	134	í · ·	1 1	16	Nov.	1866
		9	0.6		-		- 1		Feb.	1867
	6000 Wheal Basset Consols	0	5 1	0	*****					
1	1000 Wheal Basset and Grylls, t	7	18	B	-				Aug.	1866
	512 Wheat Buller, Redrutht 19	9 1	0 ()	221/4		26 2	18	May,	1866
	1000 Wheal Curtis, c, Crowan 18		0 4	١	-				Oct.	1866
	6000 Wheal Crebor, c, Tavistock 6144 Wh. Damsel, c, t, Gwennap		6 6		-		16 9	la .	Feb.	1867
	6144 Wh. Damsel, c, t, Gwennap	2 1	5 (-				July,	1863
	4096 Wh. Edward, c, Calstock	9	1 !	5	10				. Dec.	1865
	849 Wheal Emily Henrietta, c. 16	0 1	10 1		10				Oct.	1866
	4000 Wh. Emma, c, Buckfastlet. 3 6000 Wheal Grenville, c, Camb. †	0 1	9 1		940		1- 1	99.	July,	1865
	6000 Wheal Hartley, c, Gwinear	9	0 ()	# 1m.		100	2.98	May,	1866
	6000 Wheal Hartley, c, Gwinear 6000 Wheal Ida, s-l, St. Ive 1024 Wh. Kitty, t, Uny Lelantt.	i	0 ()	-				Sept.	1864
	1024 Wh. Kitty, t, Uny Lelantt.	3 1	0 (3	All Printers				. resolve.	1000
	512 Wheal Jane, s-t, Kea 16 896 Wh. Margaret, t, Uny Lel. 13 728 Wheal Margery, t, c	0 1	0 ()	-				Sept.	1866
	896 Wh. Margaret, t, Uny Lel. 13	3 1	7 6	3	81/4	7	14 8	11/4	e e	-1199
	728 Wheal Margery, t, c 24	1	4 1	10.	-			1.00	Jan.	1867
	100 Wheal Mary, t, Lelant 36	19	2 (60x400				• •	- 301
	good Wheal Mary Florence, ct. 1	1 1	0 6)	dress				May,	1866
	1000 Wh. MaryHutchins, Plymp. 1	1	5 6						Aug.	1866
	6000 Wh. Norris, t, c, St. Cleer 4		6 1		Activa				Sept.	1865
	so Wheal Owles, t, St. Just 70	0	0 ()	-					
	1024 Wh. Par. t, St. Blazey 8	5	8.6		Mora				Jan.	1866
	1024 Wheal Polmear, c 8 1500 Wheal Sarah, t, Lanivet	5 1	3 9		-				Sept.	1866
	1500 Wheal Sarah, t, Lanivet 0	1	3 8						June,	
-	6000 Wheal Sparnon, c. Redruth 3	3	0 0		_				Dec.	1866
	1920 Wh. Trannack, c, Sithney. 1 2044 Wh. Tremayne, t, Gwinear 7	1	3 2		-				Jan.	1867
1	2044 Wh. Tremayne, t, Gwinear 7		1 2		-			,	Aug.	
	1200 Wheal Trevenna, t, c* 9 4096 Wheal Uny, t, c, Redruth 10 4450 Wheal Vlow, t, Perranzab. 1		0.0		1971		1 0	11	Dec.	1866
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*. * Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange.

. Our object being to make the Share List correct, we carnestly call upon those who have the power to aid us, by forwarding any corrections or correction which may, from time to time, come under their notice. To shareholders, as well as those officially connected with the mines, we appeal for information. Reports from mines—in fact, mining intelligeace of every description, forwarded to our office, will meet with ready attention.

London: Printed by Richard Middleton, and published by Henry English (the proprietors), at their office, 26, Fleet Street, E.C., where all communications are requested to be addressed.—February 9, 1867.